SERA
Repeater Journal
The Offical Voice of SERA, Inc.
MAY, JUNE, JULY 1995 3.00

8-STATE REPEATER INDEX INSIDE

"ALIVE IN '95" CONTEST!

The contest is underway - your chance at $$$ Thousands in prizes merely by signing up new SERA Associate Members. It runs till Labor Day. Right now the odds are great, and you've got lots of time to enter as often as you like!! You can't win if you don't enter!

In This Issue:
National Radio Observatory Tour
Hams Respond to Floods
New!! 8-State Net Directory
SERA Contest Continues
And Much Much More!!

KIDS TALK TO THE ASTRONAUTS!

Lynchburg School Sets up Schedule With NASA

SERA - Southeastern Repeater Association, Inc.
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TOBACCOVILLE, NC 27050

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COMET

MODERN, MULTI-BAND ANTENNA SYSTEMS

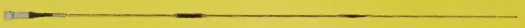
MOBILE ANTENNA PRODUCTS

Modern, high-performance stations use COMET Antennas, Duplexers, Triplexers and Accessories! COMET products are designed to provide an exceptional level of signal quality and coverage area. Whether operating mobile or from your base station, COMET products make you sound good. No other product line has the selection, convenience, quality and performance!

DUAL-BAND MOBILE ANTENNAS

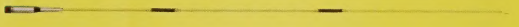
FL-67S Dual-Band 146/446MHz w/Fold-Over, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 4.5dBi ⅝ wave 446MHz 7.2dBi ⅝ wave x 3	1.5:1 or less	150 watts	4' 11"	Gold Plated PL-259



FL-62S Dual-Band 146/446MHz w/Fold-Over, No Ground Plane Required

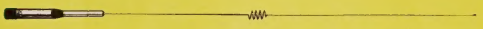
Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 3.5dBi ½ wave 446MHz 6.0dBi ⅝ wave x 2	1.5:1 or less	150 watts	3' 5"	Gold Plated PL-259



NEW!

SB-7/SB-7NMO Dual-Band 146/446MHz w/Fold-Over, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 4.5dBi ⅝ wave center-loaded 446MHz 7.2dBi ⅝ wave x 3	1.5:1 or less	70W FM	4' 7"	PL-259 or NMO style



NEW!

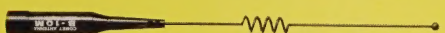
SB-5/SB-5NMO Dual-Band 146/446MHz w/Fold-Over, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 3.0dBi ½ wave 446MHz 5.5dBi ⅝ wave x 2	1.5:1 or less	120W FM	38"	PL-259 or NMO style

NEW!

SB-2/SB-2NMO Dual-Band 146/446MHz

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 2.15dBi ¼ wave 446MHz 3.8dBi ⅝ wave	1.5:1 or less	60W FM	18"	PL-259 or NMO style



NEW!

B-10/B-10NMO Dual-Band 146/446MHz, Cellular Look-a-like

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 0dBi ¼ wave 446MHz 2.15dBi ½ wave	1.5:1 or less	50W FM	12"	PL-259 or NMO style

B-20/B-20NMO Dual-Band 146/446MHz, Cellular Appearance, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 2.15dBi ½ wave 446MHz 5.0dBi ⅝ wave x2	1.5:1 or less	50 watts	30"	PL-259 or NMO style

NEW!

SB-25/SB-25NMO Mono-Band 146MHz w/Fold-Over, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 4.1dBi ⅝ wave center loaded	1.5:1 or less	100W FM	4' 9"	PL-259 or NMO style

COMET products are available from most major dealers. For customer service, or a complete catalog, please call us at 800/962-2611. We're confident COMET products and accessories will enable you to enjoy Amateur Radio to its fullest!

N.C.G. CO.

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NEW!

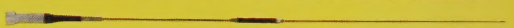
MINI SPEAKER/MIC

HM-P2K/F
Mini spkr/mic featuring full TX/RX quality!

Light weight, extremely small: 1"x2" with collar pocket clip.

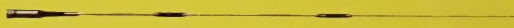
HM-P2K: Kenwood Version
HM-P2F: Icom/Yaesu Standard/Alinco/etc.

TRI-BAND MOBILE ANTENNAS



CX-224/224NMO Tri-Band 146/220/446MHz, w/Fold-Over, No Ground Plane Required

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
146MHz 2.15dBi ½ wave 220MHz 3.6dBi ⅝ wave 446MHz 6.0dBi ⅝ wave x 2	1.5:1 or less	100 watts	3'	PL-259 or NMO style



FJ-15S Tri-Band 52/146/446MHz w/Fold-Over

Gain & Wave:	VSWR:	Max Power:	Length:	Connector:
52MHz 2.15dBi ¼ wave 146MHz 4.5dBi ⅝ wave 446MHz 7.2dBi ⅝ wave x 3	1.5:1 or less	120 W FM	4' 10"	PL-259

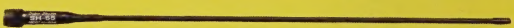
HF MOBILE AND HT ANTENNAS

NEW!

HA-4S Quad-Band HF 40/*(20)/15/12/10 Meters w/Fold-Over

Wave:	VSWR:	Weight:	Length:	Max Power:	Connector:
¼ wave	2:1 or less	1 lb. 14 oz.	4' 4"	120W SSB (200W SSB 28MHz)	PL-259

*L-14HS Optional 20 Meter Coil



SH-55 Super Flexible 146/446MHz HT Antenna

Gain & Wave:	Max Power:	Length:	Connector:
146MHz 1.5dBi ¼ wave 446MHz 3.2dBi ⅜ wave x 2	10 watts	15.5"	BNC

NEW!

CH-722SA High Gain HT Antenna
Gain & Wave: 146MHz 3.0dBi ½ wave
446MHz 5.5dBi ⅝ wave x 2
Max Power: 50 watts
Length: 35", 2 sections, 18" each
Connector: BNC

CH-32 Miracle Baby 146/446MHz HT Antenna
Gain & Wave: 0dB ¼ wave
Max Power: 10 watts
Length: 1.75"
Connector: BNC

DUPLEXERS AND MOBILE MOUNTS

CF-4106K, I, J, 146/446MHz
Band Pass, Ins Loss, Max Pwr.
1.3-150MHz, 0.1dB, 800w PEP
400-540MHz, 0.2dB, 500w PEP
Isolation: 60dB
CONNECTORS:

	4160K	4160I	4160J
Output:	SO-239	SO-239	SO-239
Low In:	PL-259	PL-259	SO-239
High In:	PL-259	N-Male	SO-239

RS-21
Trunk, hatchback, rear door (van, blazer, etc.) mount. Adjustable to virtually ANY angle. Rubber-coated base protects vehicle paint.

NEW!

RS-820
Heavy-Duty, Low Profile Trunk Lip or Hatch Back Mount. Rubber-coated base protects vehicle paint.

WS-1M
Multi-Adjustable Window Clip Mount.
11.5 feet of high quality coax. Gold-plated UHF Conns. for Antennas up to 40" in height.

NEW!

3D4M Standard Cable Assembly
13.5 feet of low loss coax. Gold plated UHF (PL-259/SO-239) connectors.

3D5M Standard Cable Assembly
Same as 3D4M, but 17 feet of coax

CK-5M Deluxe Cable Assembly
13 feet double shielded very low loss coax + 12" RG-188 teflon coax. Gold plated UHF (PL-259/SO-239) connectors.

CK-5M5 Deluxe Cable Assembly
Same as CK-5M, but 17 feet of coax

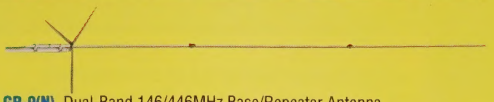
COMET

MODERN, MULTI-BAND ANTENNA SYSTEMS

BASE/REPEATER ANTENNA PRODUCTS

Featuring the COMET exclusive SLC System. The SLC actually increases the gain of the Dual/TriBand Antennas. A completely pre-formed phasing coil and phosphorous copper element produces a low-loss, highly effective, high gain antenna. All COMET antennas are pre-tuned and come complete will all mounting hardware. Simply mount to your mast and experience incredible COMET performance!

COMET DUAL-BAND

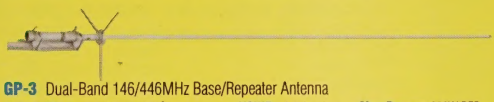


NEW!

GP-9(N) Dual-Band 146/446MHz Base/Repeater Antenna
Gain & Wave: 146MHz 8.5dBi 5/8 wave x 3 **VSWR:** 1.5:1 or less **Max Power:** 200W PEP
446MHz 11.9dBi 5/8 wave x 8 **Length:** 17' 8" **Weight:** 5lbs. 11ozs.
Connector: SO-239 (GP-9), N-type (GP-9N) **Mounts to Mast Size:** 1.25"-2.50"
Construction: Heavy duty fiberglass, 3 sections, 92MPH wind survival

NEW!

GP-6 Dual-Band 146/446MHz Base/Repeater Antenna
Gain & Wave: 146MHz 6.5dBi 5/8 wave x 2 **VSWR:** 1.5:1 or less **Max Power:** 200W PEP
446MHz 9.0dBi 5/8 wave x 5 **Length:** 10' 2" **Weight:** 3lbs. 8oz.
Connector: Gold-Plated SO-239 **Mounts to Mast Size:** 1.25"-2.50"
Construction: Heavy duty fiberglass, 2 sections, 112MPH wind survival

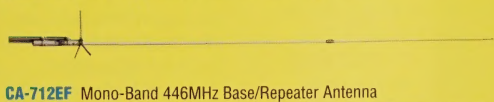


NEW!

GP-3 Dual-Band 146/446MHz Base/Repeater Antenna
Gain & Wave: 146MHz 4.5dBi 5/8 wave **VSWR:** 1.5:1 or less **Max Power:** 200W PEP
446MHz 7.2dBi 5/8 wave x 3 **Length:** 5' 10" **Weight:** 2lbs. 9ozs.
Connector: Gold-Plated SO-239 **Mounts to Mast Size:** 1.25"-2.50"
Construction: Single piece fiberglass, 130MPH wind survival

COMET MONO-BAND

CA-ABC23 Mono-Band 146MHz Base/Repeater Antenna
Gain & Wave: 146MHz 7.8dBi 5/8 wave x 3 **VSWR:** 1.5:1 or less **Max Power:** 200W PEP
Connector: SO-239 **Length:** 14' 12" **Weight:** 3lbs. 8 ozs.
Mounts to Mast Size: 1.25"-2.50"
Construction: Thick-wall aluminum, 3 sections, 70MPH wind survival



CA-712EF Mono-Band 446MHz Base/Repeater Antenna
Gain & Wave: 446MHz 9dBi 1/2 wave x 12 **VSWR:** 1.5:1 or less **Max Power:** 200W PEP
Connector: N-type **Length:** 10' 5" **Weight:** 2lbs. 12ozs.
Mounts to Mast Size: 1.25"-2.50"
Construction: Heavy duty fiberglass, 2 sections, 105MPH wind survival

CA-62DB Mono-Band 6 Meter FM Antenna
Gain & Wave: 52MHz 6.5dBi 5/8 wave x 2 **VSWR:** 1.5:1 or less **Max Power:** 500W PEP
Connector: SO-239 **Length:** 21' 8" **Weight:** 5lbs. 11ozs.
Mounts toMast Size: 1.25"-2.50"
Construction: Thick-wall aluminum, 5 sections, 100MPH wind survival

COMET products are available from most major dealers. For customer service, or a complete catalog, please call us at 800/962-2611. We're confident COMET products and accessories will enable you to enjoy Amateur Radio to its fullest!

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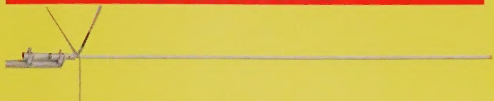
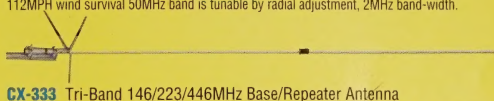
COMET TRI-BAND

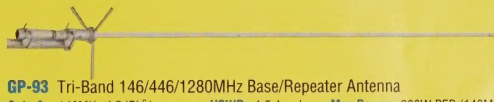


NEW!

GP-15 Tri-Band 52/146/446MHz Base/Repeater Antenna
Gain & Wave: 50-54MHz 3.0dBi 5/8 wave **VSWR:** 1.5:1 or less **Max Power:** 300W PEP
146MHz 6.2dBi 5/8 wave x 2 **Length:** 7' 11" **Weight:** 3 lbs. 1 oz.
446MHz 8.6dBi 5/8 wave x 4 **Mounts to Mast Size:** 1.25"-2.50"
Connector: Gold-Plated SO-239 **Construction:** Single piece heavy-duty fiberglass, 112MPH wind survival 50MHz band is tunable by radial adjustment, 2MHz band-width.

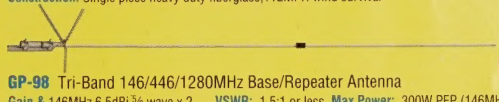


CX-333 Tri-Band 146/223/446MHz Base/Repeater Antenna
Gain & Wave: 146MHz 6.5dBi 5/8 wave x 2 **VSWR:** 1.5:1 or less **Max Power:** 120W PEP
223MHz 7.8dBi 5/8 wave x 3 **Length:** 10' 2" **Weight:** 3 lbs. 10 ozs.
446MHz 9.0dBi 5/8 wave x 5 **Mounts to Mast Size:** 1.25"-2.50"
Connector: Gold-Plated SO-239
Construction: Heavy duty fiberglass, 2 sections, 112MPH wind survival



NEW!

GP-93 Tri-Band 146/446/1280MHz Base/Repeater Antenna
Gain & Wave: 146MHz 4.5dBi 5/8 wave **VSWR:** 1.5:1 or less **Max Power:** 300W PEP (146MHz) 200W PEP (446/1.2)
446MHz 7.2dBi 5/8 wave x 3 **Length:** 5' 7"
1280MHz 10dBi 5/8 wave x 6 **Mounts to Mast Size:** 1.25"-2.50" **Weight:** 2 lbs. 8ozs.
Connector: Gold-Plated N-type
Construction: Single piece heavy duty fiberglass,112MPH wind survival



NEW!

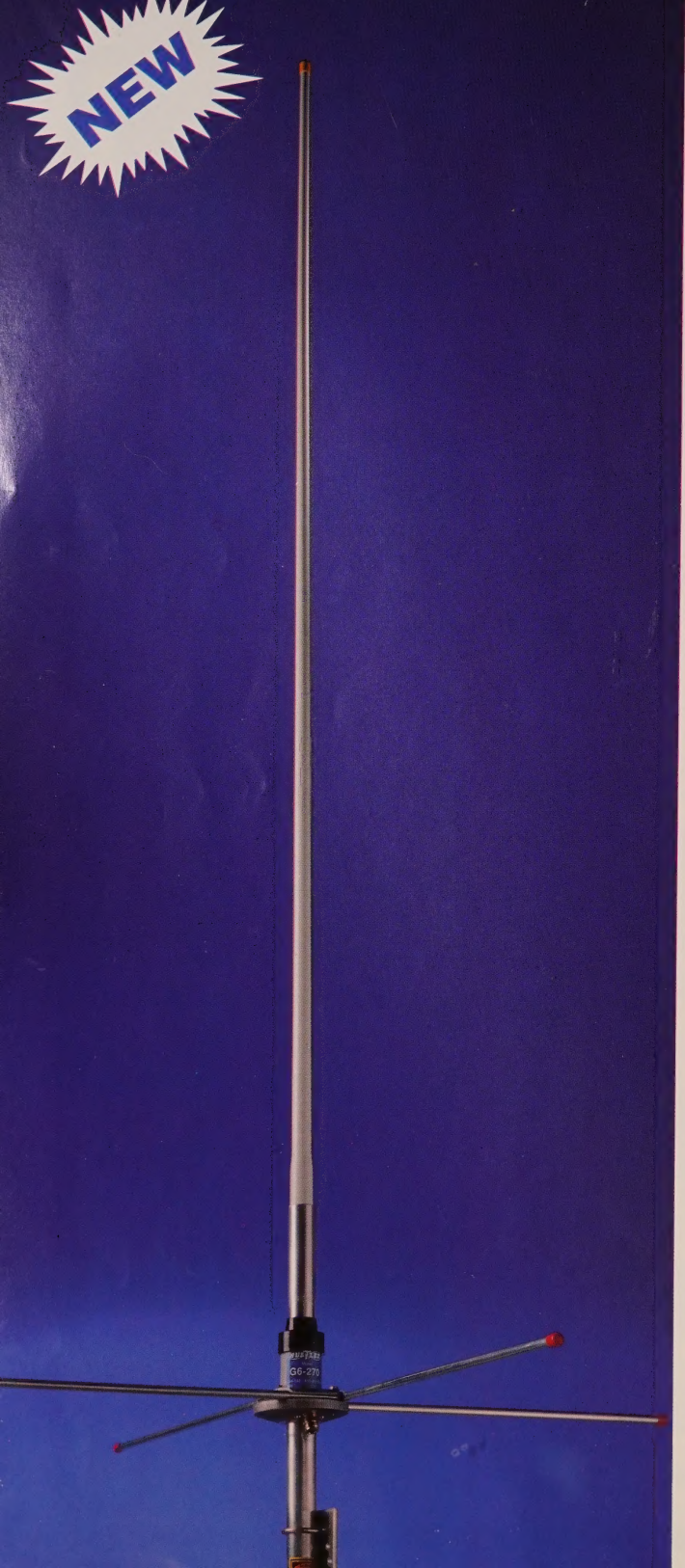
GP-98 Tri-Band 146/446/1280MHz Base/Repeater Antenna
Gain & Wave: 146MHz 6.5dBi 5/8 wave x 2 **VSWR:** 1.5:1 or less **Max Power:** 300W PEP (146MHz) 200W PEP (446/1.2)
446MHz 9.0dBi 5/8 wave x 5 **Length:** 9' 8"
1280MHz 13.5dBi 5/8 wave x 12 **Mounts to Mast Size:** 1.25"-2.50" **Weight:** 3 lbs. 8ozs.
Connector: Gold-Plated N-type
Construction: Heavy-duty fiberglass, 2 sections, 112MPH wind survival

CROSS NEEDLE METERS

- Separate Meter and RF Sensor allows for convenient placement of the meter.
- Cross Needle Meter provides FWD, REF, and VSWR simultaneously.
- The RF-Sensor is a compact design, and has an extremely low-loss circuit.
- Beautifully illuminated when connected to power supply.
- 6 foot cable standard.
- Optional EKS-3 10 foot extension cable for a total of 16 feet between the sensor and meter.
- Compact Size: (L) 4.75" x (W) 1.75" x (H) 3.5"

CMX-1	CMX-2	CMX-3
1.8-60MHz	1.8-200MHz	140-525MHZ
0-2KW	0-200W	0-200W
30/300/2KW	20/50/200W	20/50/200W

NEW!



HUSTLER®

NEW DUAL BAND 2 METER/440 MHz. G6-270R

The high performance of our well known G6-144 and G6-440 are combined in our new 2 meter/440 dual band vertical, model G6-270R.

A sleek, one piece tapered fiberglass radome eliminates the intermodulation and mechanical problems associated with two and three piece UHF radome designs.

Made in the U.S.A. of high quality American materials, the G6-270R offers 6 dBd gain (8.1 dbi)on both bands for outstanding fringe area performance.

The antenna is shunt-fed and D.C. grounded for lightning protection and will survive winds to 100 mph.

The G6-270R is factory tuned for quick and easy installation.

Model G6-270

Specifications:

Gain:	6 db VHF 6 db UHF
Bandwidth:	10 MHz UHF 3MHz VHF
Design:	4x5/8 wave collinear 440 5/8 over 5/8 collinear 2 meters Shunt fed-DC ground
Length:	100 inches
Weight:	6 lbs
Wind Survival:	100 mph
Mounting:	Includes hardware for 1-1/2" dia. mounting mast Mounting plate will accept 2" U-bolts, not included.
Termination:	Type N female

NEWTRONICS ANTENNA CORP.

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Mineral Wells, Texas 76067
817-325-1386

CIRCLE 6 ON READER SERVICE CARD

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The Voice of the SouthEastern Repeater Assn., Inc.
Published 4 Times A Year in Feb., May, Aug., Nov.

SERA - SOUTHEASTERN REPEATER ASSOCIATION
DIRECTORS, VICE DIRECTORS & ASSISTANTS

KENTUCKY

DIRECTOR
Jeffrey Martin, N5KOL
308 Marylan Avenue
Bowling Green, KY 42101
(502) 842-1640

VICE-DIRECTOR
Mark Smith KM4IV
153 Riverside Drive
Ivel, KY 41642
(606) 874-2448

MISSISSIPPI

DIRECTOR SOUTH
Steve Grantham, N5DWU
P.O. Box 127
Ellisville, MS 39437
(601) 763-3559

VICE-DIRECTOR NORTH
Jim Akers, W5VZF
849 Akers Hill Road
Starkville, MS 39759
(601) 323-8389

NORTH CAROLINA

DIRECTOR
Danny Hampton, KM4OX
P.O. Box 19122
Raleigh, NC 27619-9122
(919) 662-9797

VICE-DIRECTOR
Linville P. Couch, K4OLC
1480 17th Street Dr. NE
Hickory, NC 28601-8267
(704) 328-8267

ASSISTANT DIRECTOR
Pamela Glaub, KC4SWM
P.O. Box 19122
Raleigh, NC 27619-9122

SOUTH CAROLINA

DIRECTOR
Bill Jones, N4MNH
1609 Bur-Clare Road
Charleston, SC 29412-8148
(803) 795-0843

VICE DIRECTOR
Gary Foster, WD8OXE
651 Foster Road
Inman, SC 29349
(803) 592-1131

VIRGINIA

DIRECTOR - EAST
Wally Burkett, WA4KXV
242 Raintree Road
Virginia Beach, VA 23452
(804) 486-1555

VICE-DIRECTOR - WEST
Don Williams, WA4K
412 Ridgeway Drive
Bluefield, VA 24605
(703) 326-3338 - (Fax) 322-2282

TENNESSEE

DIRECTOR
Johnny Wofford, WA4ETE
2966 Cordell
Memphis, TN 38118
(901) 363-4971

W. TN COORDINATOR
Andy Masters, NU5O
240 West White Road
Collierville, TN 38017
(901) 853-8671

VICE-DIRECTOR
Tim Berry, WB4GBI
214 Echodale Lane
Knoxville, TN 37920-5042
(615) 579-3494

ASST. DIRECTOR
Brad Adams, N4PYI
1706 Benders Ferry Road
Mt. Juliet, TN 37122
(615) 773-7420

WEST VIRGINIA

DIRECTOR - NORTH
R.T. (Dick) Fowler, N8FMD
Route #3, Box 52
Clarksburg, WV 26301
(304) 623-9479

VICE DIRECTOR - SOUTH
H. Alex Hedrick, Jr. N8FWL
P.O. Box 417
Beckley, WV 25802-0417
(304) 252-9765 or 255-9106
FAX (304) 255-9354

ASSISTANT DIRECTOR
G. Dave Ramezan, KA8ZXP
P.O. Box 330
Glenville, WV 26351
(304) 462-7988

GEORGIA

DIRECTOR
Stu Simms, N4NMC
112 Carol Drive
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(912) 934-9236

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5303 Driskell Drive
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2102 Milican Lane
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(706) 259-5625

ASST DIRECTOR
Scott Haner, KB0Y
1610 Marion Street
Valdosta, GA 31602
(912) 244-9402

Page 1 - Editorially Speaking . . !

Ask Not What You Can Do for Me

Often times, we as hams forget just what this hobby is all about. We seem to think that someone owes us something. We should have all the freedom we wish on the bands -- free and clear -- no obligation. We should be able to just turn on our radios, work whom we please, where we please and when we please. Just don't bother me with those silly little club projects, I'm too busy!

Have you heard this? Do you fit into that category?

John F. Kennedy told the country in 1962, "Ask not what your country can do for you -- but what you can do for your country."

Ham radio fits that phrase perfectly. The FCC when Amateur radio was begun near the beginning of the century, wrote certain rules, and procedures for all hams to follow. One of the rules, which has been the salvation of Amateur radio all these years is "public service."

Public Service comes in many forms -- helping your fellow ham, getting someone new started in Amateur radio, attending and participating in Field Day, providing communications for a walk-a-thon in the local town and much more.

Sure, you hear about the public service hams provide when disaster strikes. You hear about the "great" communications links hams provide public service organizations in times of disaster. You read about hams who help the police track down criminals, and many other things. These are all forms of public service.

These forms of public service which are broadcast around the world, are some of the things that keeps Amateur radio going. The fear of losing our valuable spectrum to business interests has always loomed over our heads. Here-to-fore our great public service has been one of the main reasons for allowing all this spectrum to remain in Amateur hands.

But, wait a minute!!!

Technology is catching us. Once when we had to provide communications for a community which lost their main telephone switching system, is no longer needed. New mobile switchers are just a few hours away.

Years ago, when tornados struck North and South Carolina, Amateur radio was the only reliable means of communications between emergency services and the state central offices -- the only communications for the Army and National Guard. Today, they might not need us. Cellular phones can replace us in the special agencies. Satellite communications can replace us with the armed services.

Emergency services now have mobile repeater stations, linking systems, cross trunking systems into other services, and of course cellular and mobile telephone, so they no longer rely on Amateur radio as an only means of communications.

Are we obsolete? Of course not! It's just the rest of the communications world has caught up to us. There are still many services that can use our help.

What is the public service of tomorrow in Amateur radio? We must strengthen our clubs. We need to see that every member is trained in emergency communications. We must solicit more members in our clubs -- hold classes, get new hams, fresh new recruits to carry on. There will still be times when Amateur communications fills the void. Floods, heavy blizzards, tornados, will still need some Amateur support as spotters, runners, message handlers, transportation sources and other things.

If you think you are already "trained" and can handle just about anything that comes along -- think again. None of us are quite ready to meet the needs of every scenario that might come upon us requiring our help. A good example is the critique of Dan

Continued on Page 51

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Knoxville, TN 37912
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SERA SECRETARY
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SERA Repeater Journal

May, June, July, 1995 – Volume 24, No. 2
Organized in 1971 – "Entering our 24th Year"

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About the SERA Repeater Journal Magazine

The SERA *Repeater Journal* is published quarterly, the first week of the months of February, May, August and November of each year and mailed free to members of SouthEastern Repeater Association, inc., an eight state repeater coordinating orgnization made up of repeater owners and users. Permission is granted for use of material other than repeater indexes contained in the *Repeater Journal* (See important note this page) provided proper credit is given. The *Repeater Journal* Editor will swap newsletters with other Repeater Organizations, News organizations and clubs upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month, one month prior to publication. News deadlines are the first of the month prior to publication month. The *Repeater Journal* is entered as Third Class Mail at the Post Office in Greensboro, NC. The *Repeater Journal* newstand cover price is $3.00 and is available from numerous retail Amateur Dealers in the southeast. All news and newsletter exchanges should be mailed to the Editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, NC 27235.

About the SouthEastern Repeater Association, Inc.

SERA, SouthEastern Repeater Association, Inc. is one of the largest, most well known, non-profit Repeater Coordinating Organizations in the United States. SERA territory covers over 2,000 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. SERA celebrates its 24th anniversary in 1995 with a continuing goal - to serve the repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of the *Repeater Journal*, and the guidance of our State (Director) Coordinatiors, officers and volunteers. Your support, comments and reccomendations are appreciated.

About SERA Associate Membership (Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $8.00 per year will enable Amateurs to support the organization and receive the Repeater Journal. Associate Membership deadlines are the 15th of the month preceding months of publications - (Jan. 15, April 15, July 15, and October 15). Persons joining or renewing their memberships must have their application into the Tobaccoville Post Office Box by those deadlines to receive the next upcoming Repeater Journal , published the first week of February, May, August and November. Memberships received after any deadline will not receive next to-be-published Repeater Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (Repeater Journals mailed 1st Class rate) are limited to one year memberships at $14.25 per year. Regular membership Repeater Journals are mailed 3rd Class Bulk Mail. SERA does not issue receipts for Membership applications, nor are Repeater Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next Repeater Journal comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, NC, 27050-0215. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership (Repeater Owners)

Officers and Directors are elected from Repeater representatives who are SERA Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $20.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the Repeater Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with an asterisk (*) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, NC 27050-0215 for further information.

Virginia Soars!

SERA Repeater Memberships

-via David Ward, KA4LVO, Membership Chairman

The count stands at 1,165 SERA Full Member repeaters as of April 22. Another all-time high in the 24 year history of the organization. as we add on 119 new members since the February report.

Leading the charge was Tennessee with 31 more new members, followed by Georgia with 24, and Virginia with 20.

Virginia leads the way of all states as far as total percentage of members, with a whopping 71.9% of all the repeaters in their state have joined as SERA Full Members. North Carolina follows with 64%, and West Virginia with 61.5%. Georgia has 59.5%.

The state with the most Full members continues to be North Carolina with 247, followed by Georgia with 226.

We also have 6 repeaters from out of our territory who have joined, to show their support.

Presently 56.5% of all SERA territory repeaters have voluntarily joined the organization -- 1,159 out of 2,051.

It should be noted that six of our eight

Continued on Page 10

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SERA Repeater Journal Cover Story

Virtual Reality ATV Repeater!

Color slide for Repeater Journal cover supplied courtesy of Steve Dixon, KE4SSM. Cover design and imaging by Royal Printing Co., Johnson City, TN.

-by Jim Carrier, KD4JGV

Is this something new in ATV? Not really, just one of those catch phrases used to describe our encounters of trying to get an ATV repeater operating.

In June '94, ATV interest here in the Tri-Cities, TN area was at an all time high. Ed Draughn, WA4KMG, back in the winter, had expressed his intent to build an ATV repeater and had sparked some interest about this locally unexplored spectrum of the ham band. Occasionally Ed would give us an update on the progress of the project via the local 440 repeater. He predicted the ATV repeater to be up and running in late Summer '94.

In anticipation of Ed's prediction, a group of us, Guy Peterson, N4IKJ, Sam Snyder, WD4SBX, Dale Counts, N4KMK, Benny Peterson, WB4SQC, and myself, placed an order worth near $3,000, with PC Electronics for five ATV Transceivers, antennas, etc. After receiving our new stuff, every one was anxious to get their station on the air. This is where the fun and disappointments began.

Knowing the repeater operation was a couple of months away we started trying to perfect our own stations so we would look good on the repeater. It didn't take long to figure out that ATV worked best as line of sight. Needless to say a lot of ATV testing went on in the weeks to follow, home brew antennas were built and tested. Amps and preamps, hardline, n-connectors, fiberglass mast, etc., were ordered with commercial ATV beam antennas, and later more ATV antennas to be co-phased with previously installed antennas.

Various sites were tested. Mobile transmissions were frequent. These tests revealed that we had a problem that we would have to live with. The mountainous area we live in. Simplex operation between stations was strictly one on one, the beams improved the picture quality but made the signal highly directional. It was obvious the repeater was the only way we would be able to see all the stations.

Early last September, Joe Lyons, KR4SW installed the vertical ATV antennas that ED, WA4KMG had ordered for the repeater at the site of the Sam Snyder, WD4SBX 442.200 repeater, atop Holston Mt at 4,200 feet A couple of weeks later Ed announced he would be taking the repeater to the site for testing and asked all ATV stations to take part in the testing. I was particular anxious because I had a problem most of the other guys didn't have, my home of 50 years is located at the bottom of the west end of the mountain -- signals pass right over me. I had three options. (1) move to a better location, (2) Put up a 4,200 foot tower, or (3) Sell all my new ATV equipment.

Testing got underway that afternoon. There was some video sent but after a short period Ed aborted testing due to a problem with the repeater. It was removed from the mountain to be reworked.

During the overhaul, Ed encountered some re-occurring health problems and was unable to work on the repeater much.

On December 11, we received the sad news -- Ed had passed away that morning. Ed had contributed a lot to the Ham Radio hobby. He owned a couple of repeaters and served on various committees. We miss him, and will never forget him. . .

After a couple of months, Ed's wife, Joan expressed her desire to sell the ATV equipment. Sharing Ed's desire to see ATV become a reality, I purchased the equipment.

Benny Peterson immediately came forth and volunteered his help with the repeater. I gladly accepted his offer. We read a lot, asked a lot of questions, sought help from Ralph Fowler, N4NEQ (SERA ATV Tech Advisor) and Kip Turner, W4KIP were very helpful in answering our questions and making suggestions.

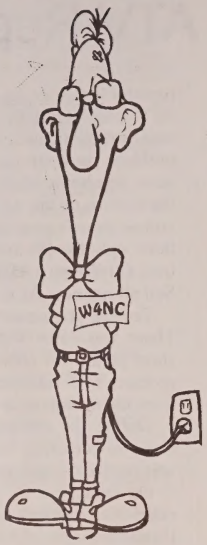
We had hoped to be on the air before now, but it seems that when one problem is solved, another takes it's place. Our goal from the start was to have an operational repeater when it was installed at the sight. In tests so far, the repeater has been doing its job, thanks to Billy Crutchfield, WA4EWC for video feeds for testing.

We still have components on order, hopefully, everything we need is on the way. We certainly want to award our "patience" award to Guy Peterson, who has had his ATV station ready for 2 years before we even started talking about a repeater, and he still patiently waits for us.

Hopefully when we get on the air in the near future, stations coming on line will benefit from all the efforts.

Getting back to the heading of this story, "Virtual Reality" ATV Repeater, virtual meaning existing in effect though not in actual fact, reality meaning the state of being actual or true. (Soon to be.)

Confused? Let me ask you this, who said, "Here's looking at you kid," (a) A ham receiving ATV (b) Humphrey Bogart?



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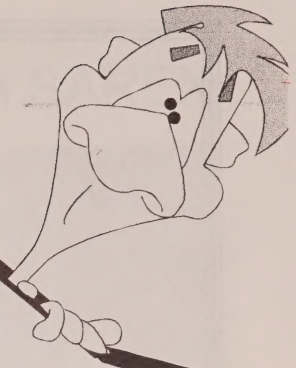

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Mail along with SASE to:

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Pre-registrations without SASE or received after May 28 will be held at the gate.

Covered outdoor spaces in the tailgating area are still available (for a modest fee) this year on a first-come, first-served basis. Fairground regulations do not permit the sale of food or beverages by unapproved vendors. Full RV Hookups are adjacent to Hamfest building but are not in the tailgating area. However, self-contained RV's are welcome in the Tailgating camping area and restrooms will be available. Not responsible for accidents or theft.

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Students talk to the Space Shuttle Astronauts

Rustburg (VA) School Participates in SAREX

-Compiled from press releases from
The Lynchburg (VA) Amateur Radio Club
Larry Stanecker, WA2OLP - PIO

When the space shuttle Endeavor lifted off from Kennedy Space Center in March, it carried with it plans for one of the most extensive Amateur Radio exercises ever before in history.

A record 26 schools were designated to talk to six of the seven astronauts on board who had Amateur licenses.

One of those was Ms. Lori Darter's second grade class at the J.J. Fray elementary School in Rustburg, Va. They were joined by representatives from Rustburg Middle School and Rustburg High School.

Four students from each of the schools were chosen to actually speak by Amateur radio with the astronauts.

Elaborate plans were made, and extensive equipment was set up at the school for the SAREX (Shuttle Amateur Radio EXperiment), coordinated by the Lynchburg ARC., Inc. They installed an elaborate array of microphones for the moderator, to the students, a mixing console, feeding the transceivers, and a video feed into the cafeteria for all the student body to view the proceedings.

Lori Darter, second grade teacher at the J.J. Fray Elementary School in Rustburg, Va. sits with two students, Kent Perdue and Michael Darter as they wait their turn to talk with the Space Shuttle Astronauts. The students were joining others from 2 other Rustburg schools in a world-wide SAREX experiment with the STS-67 astronauts on the space shuttle Endeavor last March.
- Photo by: Jack Radgowski, courtesy of Ericsson.

Members of the LARC club also took a live video feed and sent via ATV a signal to the other two schools. The club also provided shuttle software which displayed the position of the shuttle on a world map during the student's conversation.

The audio portion of the festivities was fed into four repeaters on Apple Orchard Mt. on frequencies of 146.685, 224.180, 442.65 and 921.100. Excellent coverage over the greater Lynchburg area was provided, so that anyone with a ham receiver or a scanner could listen.

The students were each given a turn at the microphones to ask prepared questions of the astronauts as they whizzed overhead and over the horizon. The event ran with much success and very few hitches. The students will probably never forget this day - their chance to talk to real-live astronauts by radio.

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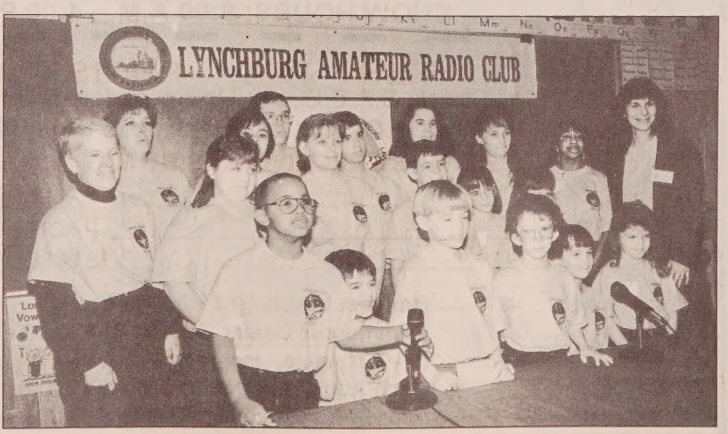

Students from three schools in Rustburg, Va. pose in their "communications room" as they prepare for a "once-in-a-lifetime" experiment with the STS-67 astronauts. The students with the assistance of the Lynchburg ARC who set up the intricate communications requirements were allowed to ask the astronauts questions live by Amateur radio as the shuttle sailed overhead.
-Photo by: Jack Radgowski, courtesy of Ericsson.

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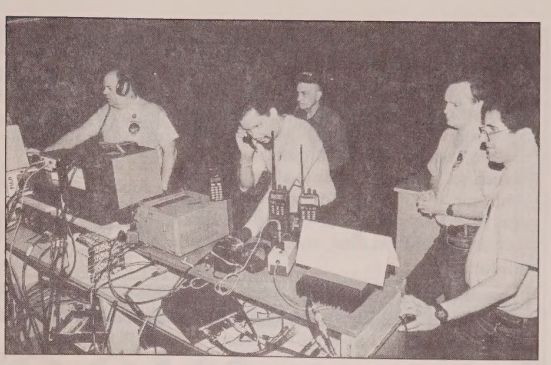
Make checks payable to R.V.A.R.C. TOTAL $ _____

A big room, lots of electronic equipment, lots of professional help and students from the Rustburg, Va. schools were able to communicate via Amateur Radio to the STS-67 astronauts aboard Endeavor in March. *-Photo by Jack Radgowski, courtesy of Ericsson.*



Engineers from Ericsson Communications, and members of the Lynchburg ARC tune the audio and video and relay lines for the SAREX experiment in March. Rustburg, Va. school children were chosen as some of the lucky ones. *-Photo by Jack Radgowski, Ericsson.*

Ham Astronauts

Continued from Page 7

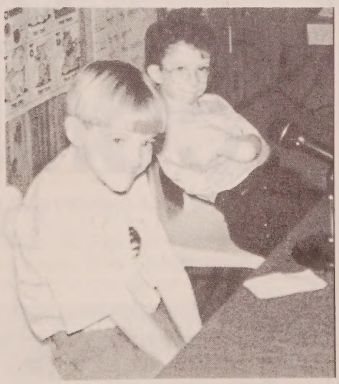
Six of the seven astronauts aboard Endeavor, STS-67 were ham operators. They were: Ron Parise, WA4SIR; commander Steve Oswald, KB5YSR; Pilot Bill Gregory, KC5MGA; Mission Specialist Tammy Jernigan, KC5MGF; Mission Specialist Wendy Lawrence, KC5KII and Payload Specialist Sam Durrance, N3TQA.

Shuttle Primary Experiment

Every shuttle carries one primary experiment, or payload to use NASA's terminology, and several secondary experiments. The primary payload for STA-67 was ASTRO-2, the second in a series of ASTRO missions that will make precise measurements of astronomical objects such as planets, stars, and galaxies. The ASTRO observatory is a key element in the Spacelab program. To accomplish the primary objective, STS-67 was launched in an extremely low Earth orbit. This had a detrimental effect on SAREX experiments. The "window" or time that the shuttle appears over one horizon until it disappears over the other will be extremely short, only about 2 minutes.

To solve this problem, according to G.P. Howell, the SAREX project coordinator for the Lynchburg ARC, they had to set up a feed via telephone to an elaborate Amateur station, configured for space communication in Honolulu, Hawaii. The phone feed was then broadcast to the space shuttle, thus providing a much more desirable "window" of transmission opportunity.

To undertake such an endeavor, much cooperation and contributions were required. Assistance was graciously received from **Sprint-Centel, Crestar Bank, Ericsson, The Electronic Service Co.**, and volunteers of the Lynchburg Amateur Radio Club.



Oh - Wow!!! That's the expression on Kent Perdue's face as he just finished his conversation with an astronaut on board the space shuttle Endeavor. Kent is one of the Rustburg, Va. school students to participate in the SAREX event in March. Michael Darter, sitting back in the background looks pretty excited about all this too!

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Repeater Memberships

Continued from Page 3

states have already set new individual state records for membership. All report more members as of this report that ever before, even at year's end. North Carolina which set all-time records in all categories last year, still remains 18 members shy of the 1994 total. Tennessee is only 1 member shy of its 1994 total, and 7 short of an all-time record.

SERA State Directors, their associates, and the officers are proud of the support given our organization from repeater owners. A repeater does not have to be a member of SERA to receive coordination, or any other services from our organization, we are dedicated to serving all of the ham community. Membership is what provides us the funds to pay for the costs of operating, having semi-annual meetings, computer equipment, and partially pay for publishing the Repeater Journal.

It is a distinction that no other coordinator can claim -- that of the voluntary support that SERA receives from the repeater owners.

Our officers, directors, vice-directors, their assistants, nor any appointees who work in the organization are allowed to receive any pay for their service. They can get reimbursement for telephone calls, and postage used in the everyday business of the organization. Many of the officials don't even apply for this reimbursement.

If you are a repeater owner, and feel SERA is worth-while supporting, you may join us as a Full Repeater Member. An application is located on page 14 of this issue. Two persons in your organization may be named "repeater representative" full members. These two persons will receive the Repeater Journal. They are also eligible to hold elective offices within the organization. They also may vote in the affairs of the organization. (if membership is paid prior to Janury 15th each year). Your support through membership is solicited and would be greatly appreciated.

SERA - SouthEastern Repeater Association, Inc.-Full Membership

Full Membership - By State - By Year - From 1986 to Present.

SERA DIST	TTL '86	TTL '87	TTL '88	TTL '89	TTL '90	TTL '91	TTL '92	TTL '93	TTL '94	Curr'95 MBR. RPTR	1995 CURR Mbr%	TOTAL STATE RPTRS
NC	147	123	145	181	157	189	220	243	265	247	64.0%	386
SC	43	44	46	59	50	53	60	68	68	78	59.5%	131
VA(1)	88	98	99	151	122	127	136	157	173	174	71.9%	242
WV	40	51	39	51	54	67	70	62	70	80	61.5%	130
TN	63	80	80	111	128	155	179	188	182	181	45.4%	399
GA(2)	125	110	100	104	124	142	173	195	208	226	59.5%	380
KY(3)	21	19	15	48	53	66	70	80	86	111	52.6%	211
MS(4)	--	--	3	12	36	38	36	50	60	62	36.0%	172
TTLS	527	525	527	717	724	837	944	1043	1112	1159	56.5%	2051

OUT OF SERA TERRITORY REPEATERS JOINING AS FULL MEMBERS - FOR 1995 --- 6

(1) Total Virginia list does not include 84 or more repeaters in T-MARC Territory, (North of Highway 33 and Latitude 38-degrees North, and 8 Repeaters in the West Virginia Panhandle area.
(2) Georgia assumed SERA District Status in mid 1985.
(3) East Kentucky assumed SERA District in 1985. In late 1989 the Western part of the State joined and district renamed Kentucky District.
(4) Mississippi assumed SERA District Status in late 1989. *Updated as of 4-22-95*

NOTE: Due to data base changes, the total state repeater column is also updated this issue. Here-to-fore, this column was updated only in February of each year. This change accurately portrays the number of repeaters in each state each quarter as this chart is updated and reproduced.

Keep Up With The Latest Repeater Listings - Only in The Repeater Journal

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Flooding Hits Western North Carolina Counties

Amateurs Respond for Flood Emergency

-by Dan Henderson WA4QQN
Buncomb Cty. (NC) EC/RO

On the second full weekend of January 1994 when western North Carolina was hit by an ice storm, the amateur radio community responded in outstanding fashion.

Fifty two weekends later, we were at it again.But this time instead of ice and snow, the counties of WNC were hit by anywhere from 4 to 10 inches of rain in a period of slightly more than 24 hours. Amateur radio was once again in the middle of the fray.

Let me start with a couple of disclaimers. Anytime one tries to write an article which includes callsigns as a way of recognizing stations who made contributions to an event, someone is invariably overlooked. If I overlook you in the telling of this tale, realize it is quite unintentional. Also, this story is told from the point of view of the RACES Radio Officer/ARES Emergency Coordinator of Buncombe County. Many other counties and operators were involved and have their own stories to tell.

This is just one of the stories of the January flood of 1995.

While many hams in Buncombe County were on our way out of town for the hamfest in Greenwood, SC, Saturday January 14, others prepared for the predicted bad weather. In the early afternoon, KA4CAC, the DEC for Area F of North Carolina began implementation of the Emergency Response Plan here in Buncombe County. Seems that both the EC/RO and his deputy EC/RO were in Greenwood!

Amateurs were dispatched to the Buncombe County EOC as well as the Area F Emergency Management Office in Asheville. Yet while formal activation didn't occur until afternoon, many had been involved sharing information from early in the morning.

KE4JOJ, on her way to Greenwood, came upon a mud slide in Henderson County covering part of US 25 near Naples. A quick stop and phone call produced police response to the scene within minutes.

Little did KD4TPH and KC4EPY know that their assisting of traffic around downed power lines in their neighborhood was only a precursor to more serious involvement later in the day. But when a SKYWARN net was begun on the 145.19 repeater (the 146.76 repeater was temporarily out of service) many amateurs in the area sprang into action. The SKYWARN EC for Area F WB4GKG began the operations at the National Weather Service as they began preparing for what was shaping up to be a major severe weather event.

When I arrived back up I-26 into the Hendersonville Asheville area approximately 4:45 pm, it was obvious from the on-the-air traffic that it was going to be long evening.

Instead of heading home, I drove straight to the EOC in Asheville to assume command of the operation in Buncombe County. My traveling companion KE4JOJ was dispatched to run a few necessary errands such as taking food to the airport SKYWARN operators and picking up a care package for us at the EOC.

At the EOC we found operations in full swing with KC4EPY and KD4TPH having a good handle on the operations there. KD4AVQ and KD4CJG had been running things at the Area F office all afternoon.

I was briefed as to which stations were performing liaison to various local VHF nets and repeaters as well to the Tarheel Emergency Net on 3923 Khz which was in Emergency Session with N2JLE and KE4CHI serving as local net controls.

Since the crews at sites at my arrival had been on duty all afternoon, one of the first duties was to find replacements. A few phone calls managed to find fresh operators for the EOC and Area F crews.

My Deputy EC/RO K4BNP arrived home from Greenwood and joined me at the EOC. A station was setup at the Troop G headquarters of the North Carolina Highway Patrol.

I believe our area of the state is the only one with active participation with the Highway Patrol, a benefit of the January 1994 ice storms. I'm sure others will follow in the future.

Shortly after finding adequate relief crews, the first major problem of the operation occurred. The W4MOE repeater 146.91 located on Spivey Mountain near Asheville, owned by the Western Carolina Amateur Radio Society and our principal frequency in Buncombe County, developed audio problems which rendered it unusable for our operation. The primary backup repeater the 146.76 was already down as previously noted.

I knew from the previous evening that the 146.835 repeater was operating on the exciter only with less than 1 watt output and would not provide adequate coverage for the area under those circumstances. So, as per our emergency plan, and after a few simplex announcements on 146.91, we moved operations to the 147.105 repeater. While a few of the stations had some difficulty hitting this repeater because of antenna limitations at their locations, the operation moved smoothly to that frequency for the remainder of Saturday evening. This was accomplished without a hitch!

As water levels began to rise, a decision was made by Buncombe County Emergency Management authorities to evacuate certain areas along the Swannanoa River near the town of Swannanoa. The Red Cross set up an emergency shelter at the Williams School in that area. As I called KE4EKZ to dispatch him to the shelter, I also informed him that his home was on the evacuation list!!

KC4PRS was also dispatched to assist at the shelter. Some 25 persons were relocated at the shelter including KB4MIL another evacuee who assisted.

Amateur radio was used to help try and locate at least 4 persons who had been evacuated. Telephone problems initially meant that amateur radio was the only link to the Williams School shelter for county officials. A second shelter was set up at an area church, but no station was sent to that location. Seems the EOC had not been informed of that shelter being established.

At the request of Jerry VeHaun, WA4GTT, Emergency Management Director for Buncombe County, a telephone call was made to the Buncombe County Sheriff's department asking permission to establish a station at their communications center. For the first time in Buncombe County ARES/RACES history, amateur radio was used in the Sheriff's Department ComCenter.

Their first question was why were we there? After a brief explanation, we set up shop and began supplying information which proved to be vital to their operations as well. When their first request for information was provided in less than 1 minute, the dispatchers were pleased with their new link to information. Time and again reports relayed to their ComCenter were immediately provided to many telephone callers or to their officers in the field.

A telephone call from the EOC to the North

Continued on Next Page

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Western NC Floods

Continued from Page 12

Fork Reservoir revealed it to be at an all time record high and that the flood gates at the reservoir, the primary water supply for the entire county, were to be opened for only the second time in history. This information was passed on to the various locations via amateur radio. Direct communication was maintained by the EOC and officials at the reservoir. (I was delegated to go by the Emergency Management Director). This information played an even more important role as events unfolded, as river, reservoir, and continued rainfall information was relayed to emergency management personnel at the French Broad River who were involved in a dramatic night time river rescue.

Approximately 8:00 pm a car was swept into the swollen river near Biltmore Village, a suburb of Asheville. Emergency service workers from numerous city and county fire/rescue departments responded.

Four volunteers went into the river in two boats to attempt a rescue. Unfortunately, mother nature and the swollen river had other ideas and the rescue workers were quickly thrown into the river and the boats were destroyed. The rescuers now needed rescuing!

Amateur radio participated by supplying up to the minute weather reports and flood level reports as rescue personnel spent over 3 hours finding, then retrieving their comrades alive and well, but tired and worn out from the event.

Saturday evening brought over one hundred reports of various emergencies and road and bridge closings all of which were important to the day's job. For example, as information was relayed to the Sheriff's department station, operators at that location could hear Sheriff Department dispatchers using our information for a variety of functions to make sure barricades were in place at appropriate locations, to locate additional 'Road Closed' barriers, to dispatch additional units to the French Broad River rescue operations of the 4 emergency service volunteers, or to issue information to citizens telephoning in with requests for road and highway information.

With the Area F Emergency Management Office being located in Asheville, Buncombe County ARES/ RACES members are regularly dispatched to provide them with important amateur communications.

Information from all counties in the flood event was relayed via amateur radio either directly into the Area F office or by designated liaison stations. (One of the lessons learned is that the Area F office needs additional amateur radio equipment permanently installed at its office. Area F Emergency Management Director Thad Bryson is also discussing licensing classes for his employees!)

After a long and tiring day's operation, stations were secured at 12:30 am Sunday morning for a stand down period, but only after arrangements were made to be back on locations at 7:00 am that same morning. A bit of rest for the weary - but officials were certain things would continue to develop as more rain was predicted for Sunday.

Because of repeater problems, a wide range of relays and frequencies were established. Highway Patrol and Area F maintained a 220 Mhz link between their stations. The EOC and Highway Patrol maintained a 440 Mhz link.

N4AA manned multiple stations at his home, primarily relaying information from the northern counties of Mitchell, Avery, Yancey and others via 2 meters into the Area F office and into the 440 link at Highway Patrol. HF was monitored at the Buncombe EOC, as well as by AD4YA. WD4CNZ served as relay from Area E officials to the Area F operations. AC4WI, EC of neighboring Henderson County, monitored frequencies and kept the NWS appraised of information after operations secured for the evening. WB4HRR, Area E DEC found he could reach Asheville on the 147.105 repeater and via a packet link to the W4MOE BBS.

The numerous stations which relayed information while they were mobile, or information received and relayed from other frequencies even though not formally assigned to that function rarely receive proper credit, but their role was quite important.

Information from the SKYWARN spotters and other amateurs was invaluable as agencies compiled information to plot their strategies.

As things geared up again Sunday morning, a few equipment additions and changes were made. A packet station was set up at the Area F office to facilitate hard copies of information going to that office.

K4GHH made the drive to Asheville early that morning with equipment and software to ensure packet would be up and going. An attempt to set up packet at the County EOC was made but computer problems prevented it from being completed.

Two stations who had left equipment at several locations the day before needed to pick up that equipment as they were leaving town that day. Equipment was shifted from the EOC to other locations to ensure continuation of our operations.

By Sunday morning the worst had passed, but amateur radio continued to serve a key role as information was gathered and passed on as decisions regarding damage assessment and immediate needs were made.

The Red Cross Shelter was secured mid morning and those operators were released. Road closing information continued to be important during the morning, as the principal access to the city of Asheville from the south, including the two main hospitals, were blocked by water in the Biltmore section of town.

Alternate routes were available and used, even by the county EC/RO as he visited each of the station locations to check on their situations and to help maintain good public relations. When their HF radios could not complete the necessary communications, a two meter relay was used to move two State Highway Patrol

Continued on Next Page

N4BAQ

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145.250	Bluefield, WV	KD8XK	East River Mountain
145.310	Beckley - east	WF1G	Mann Mountain
146.625	Beckley - south	WF1G	Flat Top Mountain
146.865	Mountain Lake, VA	WZ8E	Salt Pond Mountain
146.955	Bluefield, VA	WZ8E	Oneida Peak
147.030	Mullens, WV	KC8IT	Herndon Mountain
147.270	Roanoke, VA	KB4QWO	Poor Mountain
224.120	Beckley - South	WF1G	Flat Top Mountain
442.300	Beckley - west/1	AA8BS	Bolt Mountain
442.850	Roanoke, VA	KA4IXK	Poor Mountain
442.975	Abingdon, VA	KB8KSP	Brumley Mountain
443.475	Beckley - town	N8FWL	Sullivan Hill
443.625	Bluefield, VA	WZ8E	Oneida Peak
444.000	Beckley - west/2	KC8IT	Bolt Mountain
444.125	Pineville, WV	AA8BS	Lambert Knob
444.400	Alderson, WV	WF1G	Keeney Mountain
444.625	Bluefield, WV	WZ8E	East River Mountain
444.800	Beckley - north	WF1G	Lick Knob

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Western NC Floods

Continued from Page 13

troopers to secure a bridge in another county until it could be inspected.

It is hard to imagine the volume of information both formal written messages and tactical traffic which was passed in slightly over 24 hours via amateur radio.

By mid afternoon as the immediate crisis and need for amateur radio had passed, operations were secured at 3:00 pm on Sunday.

Tired and weary, but proud, the ARES/RACES members of the Buncombe County Emergency Management Net had performed their jobs, and done them above and beyond the call of duty!!!

I have been in touch with many participants in the weeks since the event, as well as all of the agencies we served gathering critiques, and information on our future needs.

While you never want such an event to happen, it was beneficial that it occurred as the leadership of the Buncombe County Emergency Management Net is revising and improving our Emergency Response Plan. Many things need better explanation and revision in our response plan.

Several new areas must be added so that the amateurs who participate in Buncombe County will have the necessary information to complete their jobs or know where such information can be found.

A standard operating procedure for use by those "in charge" is being prepared so all the appropriate bases can be covered just in case the "fearless leader" is gone from the county during the next emergency.

Ideas or additional training, drills and educational forums are being kicked around as we try to ensure that we are better prepared with even greater participation the next time.

A special thanks go out to all those participating in the event who were directly involved in some way with events were in Buncombe County.

These include: AC4OK, W4HHE, WB4GKG, K8SKX, KD4ZNX, KE4JOJ (assistant EC for administration), K4BNP (deputy Emergency Coordinator/Radio Officer), KD4NZN, WB1HGO (assistant EC for Planning), WA4KNI, KE4BGE, N4YID, KD4RAM, KE4ELO, KE4PNM, N1ARH, WD4CNZ, WD4IJV, N4OOC, KB4MIL, WB4PLA, KD4GEU, K8SKX, WA4BVW, NC4N, N4NH, and AD4YA.

Also WB4VXB, KC4BO, KD4TPH, KC4EPY, KR4LZ, KD4FVF, KD4HFY, N2JLE, KE4CHI, KC4PRS, KC4LKV, KD4CJG, KD4AVQ, KA4WPM, N4AA, KB4C, AC4WI, KE4EKZ, N8UYS, KB4QHR, WA4GTT, K4GHH, KR4UF, K4DDY, and KA4CAC.

AREA E DEC operators were WB4HRR, KE4JLA, KE4MYJ, KA4DKB, WD4IJT, KD4LMT, and AD4PK.

Again, I apologize if I accidentally left someone off the list. Some of these are Buncombe County amateurs, others are "neighbors". All of them proved to be invaluable on January 14 and 15!!

Finally, a few general comments. We are blessed with a strong core group of very active volunteers in the ARES/RACES group here in Buncombe County. But we need to do more. If this event had lasted beyond Sunday, we would have needed as many more volunteers to continue active communication as we used during the two days of the event.

I hear people say that "Emergencies and such aren't my 'thing' in radio." I appreciate that feeling, but must challenge it. Emergency service communications may not be one's principle interest, but it must be of great concern to us all. We must be prepared before an event occurs, not take our chances.

We need and want your participation. We encourage you to work with us, we all need to continue training in common practices.

Formal traffic is tedious at times, and may be boring for some, but it has its place in the system, as does tactical traffic. We all need to continually prepare, just like emergency management and other agencies. We are wanted and needed as part of the system!!! One of our duties to our neighbor is **Public Service.**

WIN PRIZES! SEE PAGE 20!

Join or Renew As A SERA Full Member

SouthEastern Repeater Association, Inc.

The not-for-profit Recognized Repeater Coordinator for: NC, SC, VA, TN, WV, KY, GA, MS

Repeater Full Membership Application

Please fill out the this short form Full Member Application completely. Maximum number of letters for your repeater name is 14 characters. Be sure to list 2 persons as representatives. ONLY these two will be SERA reps, have voting rights, and receive the *Repeater Journal*. MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in next Journal is 15th of Month prior to publication month.

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Part of East River ARC meeting in Bluefield, WV

National Radio Astronomy Observatory program

by Don Williams, WA4K

Wesley A. Sizemore, interference officer at the National Radio Astronomy Observatory (NRAO) at Green Bank, West Virginia, presented the program at the March meeting of the East River Amateur Radio Club of Bluefield, West Virginia. The meeting was held at the community room of Acme Market in Bluefield, Virginia.

Approximately 50 club members were present for the presentation.

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Sizemore's presentation was divided into several parts.

History of radio astronomy

The first was a brief history of radio astronomy. He said that the science of radio astronomy began in the early 1930's with Bell Telephone Laboratories and one of their radio engineers by the name of Karl Jansky. Jansky was asked by Bell Labs to determine the direction and source of broad band noise that they were receiving. In order to study this problem, he constructed a vertically polarized unidirectional beam antenna operating at 20.5 MHz. Using this antenna, he determined that the noise was from three sources: local thunderstorms, distant thunderstorms, and the Milky Way galaxy. At this point, Jansky's work for Bell Labs was completed and he was transferred to other duties. Jansky's work was not pursued by the scientific community, even though he had made an enormous discovery that radio signals were coming from outer space.

A radio engineer by the name of Grote Reber became interested in Jansky's work in 1937. He constructed a 31 foot parabolic reflector in his back yard and was able to confirm Jansky's finding that radio signals were indeed coming from space. By the time Reber had completed his work, World War II was over and advances in radio receivers and antennae and a surplus of equipment provided scientists with the necessary tools to pursue Jansky's and Reber's work and the science of radio astronomy was begun in earnest. The next logical question was what produced the signals from space.

Explaining radio astronomy

The second part of the presentation was a brief explanation of radio astronomy. Sizemore explained that all molecules have electrons in orbit around a nucleus. These orbiting electrons produce radio frequency energy. These emissions can be received on various frequencies and at various strengths, according to which element produces it, how many atoms there are, and whether the particle is travelling toward or away from us, causing Doppler shift in frequency. Because different elements produce different frequencies, a radio telescope can tell what elements cause the signals. They can also determine whether the mass is travelling toward us or away from us, and how fast it is travelling.

Much of this RF activity in space is caused by thermal activity (heat). Nonthermal radiation is produced by free electrons interacting with magnetic fields. Space is filled with magnetic fields of various strengths and directions. Electrons travelling in magnetic fields emit electromagnetic waves that may be at any wavelength depending on the energy of the electrons. This very simple explanation demonstrates that radio astronomy needs access to the entire radio spectrum to pursue its scientific objectives.

Nat'l Radio Quiet Zone

Therefore, the National Radio Quiet Zone (NRQZ) was established to provide frequency protection to radio astronomy beyond that provided by the frequency allocation process.

Sizemore continued, explaining that the NRQZ was established by a document of the National Telecommunications and Information Administration's Interdepartment Radio Advisory Committee on March 26, 1958, and by a Federal Communications Commission rule making document dated November 19, 1958.

The NRQZ encloses approximately 34,000 square kilometers (13,000 square miles) in Virginia and West Virginia, between 37.5 and 39.25 degrees north latitude and between 78.5 and 80.5 degrees west longitude.

The purpose of the NRQZ is "...to minimize harmful interference at the NRAO site located at Green Bank, Pocahontas County, West Virginia, and at the Naval Research Facility at Sugar Grove, Pendleton County, West Virginia."

Using topographic plots, emission calculations, antenna location, and other factors affecting path loss, the NRQZ determines a radio system's maximum allowed effective radiated power (ERP) and sets a limit above which an emitter may not

Continued on Page 17

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National Radio Observatory

Continued from Page 15

operate. Certain facilities are required to shut down operations upon notification by the NRQZ for limited times during observations at the NRAO or the Naval facility which could be affected by operation of that system.

The National Radio Astronomy Observatory, established in 1958, employs approximately 120 people, all of whom are employees of Associated Universities, Inc., an association of nine universities scattered throughout the United States, and under cooperative agreement with the National Science Foundation (NSF).

The NRAO is not political in operation and operates separately from the government, which provides much of its funding through the NSF. The facility has a large laboratory (named after Karl Jansky) which manufactures almost all of the electronics used in the radio telescopes on the Green Bank site and on many other sites throughout the world. An addition to the Jansky Lab almost doubling its size is under construction and should be completed in 1996. Other facilities besides the Jansky Laboratory are on site, including a cafeteria which caters to the employees and scientists visiting the site. Scientists from countries around the world, including China and Russia, study and observe at the facility.

Telescopes and more telescopes

There are approximately seven major telescopes at the facility, with an eighth under construction.

Telescopes on site include an Interferometer, which consists of three telescopes of 85-foot diameter and a control building. These three telescopes were completed in 1958, 1967, 1964. The interferometer operations are funded by the US Naval Observatory (USNO) and provide valuable studies on the Earth's motions needed for accurate navigational systems, continental drift, and for studies of atmospheric and oceanic currents. This project will move to a new 20-meter telescope later this year. Other interferometer operations include pulsar monitoring which provides clues to the internal structure of pulsars, and variable source monitoring which is reported to the USNO every two days.

An orbiting tracking station is an NRAO project for NASA and uses a 45-foot dish. This is one of several stations in the world that will provide communications links to and from two orbiting satellites now scheduled for launch. These are Radioastron, to be launched by Russia, and VSOP, to be launched by Japan.

The 40-foot telescope is used for various educational activities such as the Secondary Science Teachers Institute. Workshops are sponsored in cooperation with West Virginia University twice a year. Following training, teachers return with students on field trips to use the telescope. This telescope is also used by the Society of Amateur Radio Astronomers, Chatauqua, Elderhostel, Hands on Science, and free public tours.

The NRAO has the largest equatorially mounted telescope in the world. It is 140 feet in diameter and has a live weight of approximately 2,500 tons. It is capable of operating over the frequency range of 25 MHz to 35 GHz. The 140-foot telescope has been instrumental in the discovery and study of spectral lines which are emitted in different combinations and spacing by the different elements.

A few years ago the National Radio Astronomy Observatory's polar mounted 300-foot telescope collapsed from stress fractures which probably began almost as soon as it was built many years before. At the time of construction, computer stress analysis and other modern construction and design techniques were not available. Due to the destruction of this valuable telescope, the largest at the observatory, a campaign to raise funding for a new telescope was mounted, and through the assistance of Senator Robert C. Byrd and others, a new telescope is now under construction and should be in operation some time in 1996. The new telescope, dubbed the GBT (Green Bank Telescope), will be the instrument for pioneering research in radio astronomy in the 21st century. It will tower over all of the other telescopes on the site, including the 140-foot telescope.

The Green Bank Telescope introduces a new era for radioastronomy research. Since most of the Telescope's lifetime will be in the 21st century, its precise mission cannot be predicted. Because of this it has been designed with versatility in mind. The GBT will be capable of continuous improvement throughout its lifetime. It will be the largest fully steerable radio telescope in the world. Useful over a much greater band of radio frequencies

Continued on Page 19

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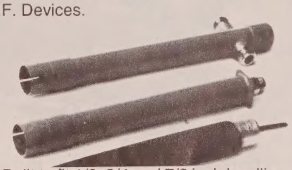

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National Radio Observatory

Continued from Page 17

than any telescope of comparable size, it will point, under laser control, to an accuracy approaching a second of arc, approximately the angle subtended by a dime when seen at a distance of one mile.

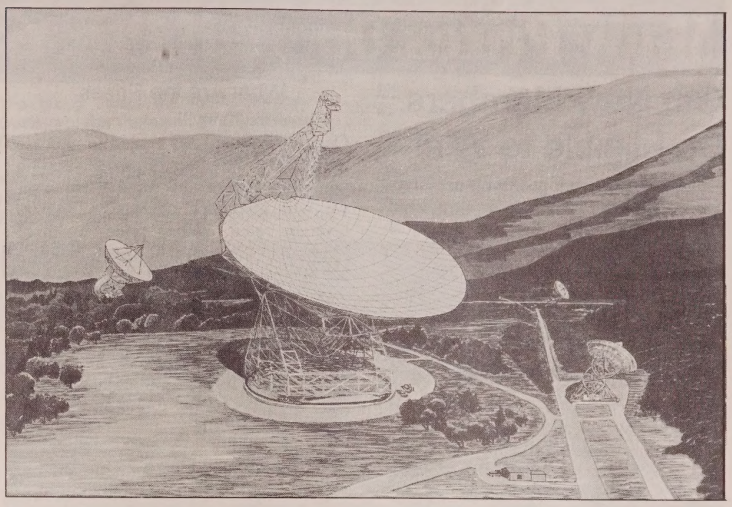
The primary reflector is approximately 328 feet by 370 feet (100 x 110 meters) in diameter. It can be elevated from 5 degrees to 95 degrees. Its moving weight is approximately 7,000 tons. The arm supporting receivers at the focal point is completely outside the path of the incoming radiation, a new design style not used before on telescopes of this type. This new design eliminates stray signals which come from directions from which the telescope is not pointed. The GBT will have an adjustable surface to compensate for changes in shape caused by moving the structure to point in different elevations and azimuths, or from wind and sun radiation deformations. This surface will be referenced by precision pointing lasers on the telescope pointed at reflecting cubes on its surface to determine the surface's shape to a tenth of a millimeter. Each of the 2204 panels comprising the surface can then be adjusted by computer-controlled actuators, thus eliminating distortions.

The prime focal point, approximately 450 feet above the ground, will have one receiver. The secondary focal point will be equipped with multiple receivers which can be changed by rotating a turret, or turntable, thus enabling changes of frequency band in about five minutes instead of the six to eight hours required by similar telescopes used previously.

The Green Bank Telescope will be used by scientists from universities and laboratories around the world.

Their scientific proposals will be carefully reviewed by their peers, whose ratings will determine which proposals compete successfully for the available telescope time. The GBT will be in use at all hours, day and night, every day of the year. If radio astronomy's past is a valid predictor of its future, the Green Bank telescope will discover objects and phenomena no one today can predict.

New Green Bank Telescope - A New Era in Research



The new Green Bank Telescope under construction will offer a new era for radioastronomy research. The rendering pictured shows what it will look like when completed in 1996. Towering over all the other telescopes, the new GBT will be 328 x 370 feet and weighs approximately 7,000 tons. In can be elevated from 5 to 95 degrees. The prime focal point is about 450 feet above ground. - *Reproduced by Permission National Radio Astronomy Observatory - Green Bank - file #GBT/1.*

Club was excited!

After the meeting, East River Amateur Radio Club members were excited about the presentation. Many had no idea of the scope of the facility, and that it is open to the public. Sizemore's presentation was termed excellent and, "...not over my head. I could understand it," by many members. Club members are already talking about getting a group together to visit Green Bank and Cass Railroad, a very full day. A trip of that magnitude would entail a sunup to sundown day, leaving Bluefield early in the morning and returning after dark. A few members are working on this project as I write.

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SERA "Alive in '95" Membership Contest - Phase I

Many Prizes Offered! Present Odds Great!

Get New Members Be Eligible to Win!

How simple can it get? We want NEW SERA Associate members. so we worked out a little incentive that will make just about any existing member get out and try to help us - Prizes! Prizes! Prizes!

The odds will be determined by you. The cost is nothing, just a little effort and some of your time.

What do you need to do?

Depends on how good you think you are! Below is a special Associate Membership application. Only this application should be used for your category of entry. Make lots of copies and get ready.

All you have to do is go out, talk to your ham friends - see if they are SERA Members. If not - get them to join. Get them to fill out the application (or copy) below. At the top - be sure to put your callsign. Be sure your new applicant sends in the correctly filled out application along with a check for membership.

That's all there is to it! You now have one entry for the drawings. Send more, get more entries. No limit to how many new members you can send in.

What Are the Prizes

The prize list will grow each quarter. Our SERA Board has agreed to increase the value and number of prizes based on how many applications come in. However we will guarantee at least $2,000.00 (average retail selling price) worth of prizes for this phase of the contest. In May we may increase this total.

Some of the prizes we are looking at include: (1) Complete dual-band base stations, (2) Dual-band radios, (3) 2M Radios, (4) Packet Stations (5) Packet TNCs, (6) Antenna systems (7) Mobile antennas (7) Books, (8) Accessories - and much, much more.

One Grand Prize Drawing

From the entries of new members signed up by existing members - our first drawing will be a "Grand Prize", which will be duplicate for both persons, the new member, and the person who signed him up. We anticipate this prize value to be at least $900 per person.

More Drawings!

After the grand prize drawing, we will put that entry back in the barrel and begin more drawings - number to be determined by overall prize numbers we obtain.

Persons who signed up new members will be eligible for these drawings. The total number of drawings will be determined by the number of prizes assigned to this contest. We anticipate at least 10 to 15 good prizes.

What are your odds?

That depends on you. The more people you sign up as SERA Associate members, the more chances you have to win. Overall odds will be determined by total number of entries in this Phase of the SERA "Alive in '95" Contest. NOTE: as of late April, odds are fantastic for anyone who enters actually 10 times better than at a hamfest. It will obviously pick up, but right now, things are slow. You can speed them up, by getting new members and getting your callsign in the pot as much as you possibly can.

New members can play!

If you were just signed up by someone as an associate member - you can now sign up new members yourself, since you are now a SERA Associate Member. So get to work, make yourelf some copies of the application and get new members. This makes you eligible more times too.

Note: No member of the SERA Board, their appointees, or their families are eligible to participate in contest. Drawing Labor Day at Shelby.

SERAs "Alive In '95" Membership Contest? ***(Phase I - New Mbr. signed by Existing Mbr!)***

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This application is eligible for grand drawing for prizes of equal value for Old Member, and New Member appearing on this application. This entry will also be eligible for additional drawings for other prizes for Old Members who solicited new member. No limit of entries solicited by Old Members. After this entry, no limit of additional entries from new member signing up others. Prize lists will appear in each issue of Repeater Journal through 8-95. Drawing Sunday, Labor Day weekend at Shelby Hamfest. Odds determined by number of entries submitted. Only one entry per application. No renewals are eligible and must be disqualified. Check must accompany this application.

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RJ-5-95

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Submit entire bottom half of page application!

North Carolina News - by Gene Fegely

Send News to: K3EJG 115 Randomwood Lane, New Bern, NC 28562

Many of the North Carolina clubs have been concerned with emergency activities, according to the newsletters received in the past months. Operation SKYWARN has been the topic for several meetings, and EC's are including reports of plans for emergency services, while columns have been devoted to emergency power and portable antennas.

An important update to SKYWARN participants comes from Carl Capps, N4TIE, coordinator for the Eastern NC counties. As of April the net frequency was changed to the Trenton 145.21 repeater on Tuesday nights at 9 PM, with the Grifton 146.685 as backup. Carl also reminds that additional spotters are needed. Look to your local club for training sessions in your area.

Steve Marks, KE4FCW, is the contact for SKYWARN in the Piedmont Triad. The Greensboro 147.030 repeater is activated for the severe weather reports, according to the GARA Feedline, which featured a fine front page article.

Wake County ARES is regrouping, according to Tom Klimala, KM4LB, in the RARS Exciter. Tom realized an update was necessary after the last three callups - an SET, a plane crash and the flooding - the same few people responded from a list of 200. Training and practice exercises were planned for February, March and April.

Emergency Power Articles

The Stanly County ARC Spurious Emissions has featured several articles by Med Chandler, K4HTJ, on the use of battery power and the choices of automotive or deep cycle batteries. New Editor Mike Stirewalt, KD4VKG, can be contacted for reprints, I'm sure.

Also reported was the February meeting featuring Aaron Deese, Stanly County Emergency Coordinator. Plans for weather spotters, relay stations to Raleigh and other counties, packet operations to and from the county court house, and an amateur in the county communications van are formulated.

Bill ,KC4TDC, will be the club EC, assisted by Ed , KC4VPK; Terry Leitch, KA4KTU; and Paul ,KD4OZI. So far 25 volunteers have signed up to be trained in various aspects of different emergency situations.

Editor Mike also included an information page about future club meetings and notes that a code class is held by Carl , W4EAT, on 28.125 every Monday and Wednesday at 7:30 PM.

Gel/Cell at GARA

Editor Tom Forrest, N4GVK, in the impressive GARA Feed Line, featured an article on gel/cells by Allen Bradley, KD4IUN. as well as continuing with reprints of repeater maps, with an excellent additional one featuring repeaters in the Guilford County and surrounding areas. His monthly planner calendar is filled with local activities, meeting and net information.

GARA again will aid in communications for the annual two-day soccer tournament on May 27 and 28. Allen Bradley, KD4IUN, is the contact if you would like to help. A picnic and ARES fund-raiser are planned for June 3 with Roy Smith, N4BYU, as the club contact. The group meets the fourth Monday at Quincy's, High Point and Holden Roads at 6:30 PM.

Keeping in the area, the High Point ARC Newsletter reports Roger Paxton, ARES coordinator for Area D, spoke at their February meeting and congratulated them for doing a good job for the ham community. The group also plans an April Fox Hunt, and again will hold their Field Day at Mr. Willard's on Dillon Road. Contact is Barry Garner, N4UOH.

Incidentally, Barry was presented with a plaque at the February meeting for two years service as club president. Also reported was a change for the Thomasville 147.00 repeater from a minus 600 input to a plus 600. This group meets on the first Monday at 6:30 PM at the Pioneer Family Restaurant in Archdale.

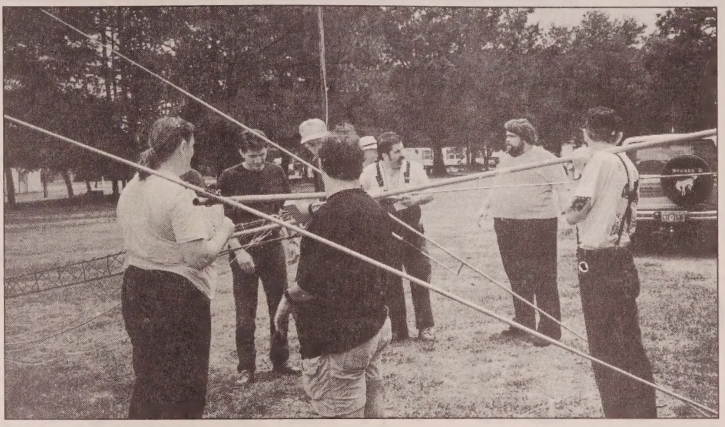
Silent Keys

HPARC also announced the passing of Ray Shackelford, N4RJO, of a massive heart attack on March 2nd. Ray was president of the club in 1985-6 and again in 1989.

Billy Stewart, WA4PVI, sent me a sad note about the passing of his wife, Nadene, KC4KTG, on March 10th, after a period of declining health. She loved ham radio and going to hamfests really lifted her spirits, the letter notes. Billy also reports the Salisbury 443.150 repeater had to install a PL board at 94.8 Hz due to some intermittent interference.

The Lenoir ARC presented some amateur radio materials to the Caldwell County Library as a memorial to Jim Rabb, KD4YUA, a member who became a silent key in 1994. The club also featured an ARES presentation by Tom Land, KA4HKK, in the January meeting. The Caldwell ARES meets on the first Saturday at 5:30 PM in the county library in Lenoir.

Continued on Page 23



As Field Day preparations begin in most clubs in our state, here is an example of the Cartaret County ARC members preparing an antenna for raising. It looks as if there is one person per piece of aluminum tubing. (Photos supplied by Jim Febely, K3EJG)

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WIDE SELECTION OF MOBILES

TS-50S hf 100watts compact
TS-60S 6 mtr 90 watts all mode
TS-450S hf 100 watts
TS-690S hf 100watts/6 mtr 50w
TS-850S hf 100 watts
a complete line of accessories

HF COMPACT AND FULL FEATURED

YAESU

FT-11R 2 mtr 2 watts
FT-11RH 2 mtr 5 watts
FT-51R 2mtr/440mhz/ 2 watt
FT-51RH 2mtr/440mhz/ 5 watt
a complete line of accessories

HANDHELDS FOR EVERYONE

FT-2500M 2 meter 50 watts
FT-2200 2 meter 50 watts
FT-5100 2 mtr/440mhz
FT-8500 2 mtr/440mhz NEW
remotable with controls in mic.

MOBILES TO FIT ALL VEHICLES

FT-840 hf 100 watts
FT-900AT ht 100 watts remotable
FT-990 hf 100 watts
FT-1000 hf 200 watts deluxe with power supply and antenna tuner

HF TO KEEP THE BANDS WARM

authorized in-store sales and service for ICOM-KENWOOD-YAESU
THE CAROLINAS' LARGEST AMATEUR DEALER

North Carolina News Continues

Not Silent Pamlico

At least Bob Richardson, KR4TW, reads my postings, because he sent a package of past Pamlico ARC Sounds to bring me up to date on the club. Founded last May, they have become an ARRL Service Class club and boast over 66 members. Bob also is DEC for Area A in ARES.

There was a fine article covering the Columbia Area ARES meeting in February. where Mike Cohoon, KB4TOH, was elected president for 1995. Others elected are: VP Joe Morris, WA4OFA; Sec/Tres Jo Ann Tetterton, KC4PTA; and Directors Jeff Madre, N4ZWQ; Bob Hammond; Hugh Lindsley, N4WHT; Doug Ferris, K4ROK; Bernie Nobles, WA4MOK; and Gregory Tetterton, N4SFJ.

The Albemarle ARES net meets on 145.11 repeater every Wednesday at 9 PM, and the Beaufort EC net meets Thursdays, 8 PM on the 147.345 repeater.

Another honor went to Bob in December as he was named Ham of the Year and presented a plaque to commemorate the charter year. Others recognized were Frankie Buck, WA4APA, Elmer of the Year; Jennifer Allen, KE4JZW, Outstanding new YL; and William Cofield, KE4JDM, Outstanding New Ham.

The club has received a $2500 grant from the Tri-County Telephone Company for use in their educational efforts. Jim Robinson, K4AYZ, was instrumental in obtaining the grant which is being used to start their license class with proper equipment.

New TEARA Editor

Dave Hockaday, WB4IUY, has take over for Joe Motola, N8RQR, since he and Katie, KE4UKL, have moved to their next contract in Austin, TX. The VHF/UHF contest was run from their QTH , plus they were very active in all club events and will be missed.

Dave reports repairs on the 147.39 repeater are coming along nicely, and the backup is working well, despite no autopatch. Plans include linking the Wilson and Clayton repeaters full time, plus remotes to 10 meters, 6 meters and 440 will be operational. Automatic weather rx and alert, a voice clock, and s-meter feedback are additional niceties.

A new repeater at Spivey's Corners is up and running on 442.875+, courtesy of Randy Wilson, KD4DMS. Now at low altitude., plans are to move to 400 feet.

Hamfests bring many chances for eyeball conversations. Maysville is noted for this activity as Jim, WB0LYN, and Marty Dunn, KE4HLB; Bill Silliman, WB4MXG; and the **Happy Hamette** Cindy, KR4LS, and Jim Rogers, N4FHM, meet for chat and coffee.

Raleigh Activities

Activities at the Raleigh ARS include a Novice/Tech class, coordinated by Lynn Pitegoff, KO4QH, and preparation for the April RARSfest. Cindy Wood, KD4ACW, is chairing the event, one of the largest in the state. SKYWARN training was featured at the February meeting.

Public service events for the MS Society, March of Dimes, American Diabetes Foundation, Colitis Foundation, Foundation of Hope, American Red Cross, Dorothea Dix Hospital and Special Olympics. were announced by Doug Sweet, AD4UL.

Rick Merkle, KA3PSK, is taking over the PacketCluster from Paul Sobon, NO0T, who was congratulated for bring the service to the Raleigh area.

Other Club Notes

Herb Lacey, N4UE, reports the Cary ARC is searching for a club logo to use in the club business card. John Aceti, N1GMV, suggested a contest to determine the best. Mike Malpass, AC4TG will the Czar for the CARC Field Day activities Plans for the Mid-Summer SWAPFEST are being arranged by Jim Weathers, N4RSE.

Kinston ARS presented a Valentines Day special with Lars Rosengren, SM7DBF, entertaining with a slide presentation of his home club station, SK7AX, in Jonkoping, Sweden. The club is also looking to upgrade the 146.685 repeater and may have to raise dues, reports Jean DuPree, KB4OHX..

Head Alligator Walt Bastow, N4HUF, sends his NAG newsletter, and reminds everyone of the annual "Firecracker Hamfest" the second Saturday in July at Salisbury, NC. Also the two nets, Mondays at 8:30 PM on 28.350 and Saturdays at 10 AM on 7.240.

The New Bern ARC welcomed NC Section Manager Reed Whitten, AB4W, to its April meeting. President Marvin Whately, AA2YW, managed to capture Reed at a recent hamfest and get him to come east, according to VP Ray Hemphill, KI4SJ.

This Quick is Quick!

-from The ARA Link

It happened a couple of years ago, but Michael E. Quick, KF8XP of Bluefield, WV proved not only is he named Quick but he is quick.

It started when he passed his code-less Technician license on 2 May, 1992; his General on 20 June; the Advanced on 8 August and his Extra on 12 November, just six months and twelve days after he started.

Michael is still active on HF and VHF, but his first love seems to be CW. He's worked over 800 stations on CW and he needs only 8 states for WAS on CW. Hlso has worked 87 countries. His most distant contact was 3B8CF, the Island of Mauritius, which he has worked twice on 40M and once on 30M.

THE AZALEA COAST AMATEUR RADIO CLUB

THIRD ANNUAL

ARRL SANCTIONED HAMFEST

1995 SEAFEST

ARRL SANCTIONED HAMFEST

HAM RADIO AND COMPUTER EQUIPMENT

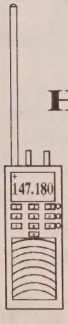
TRASK COLISEUM AT UNCW

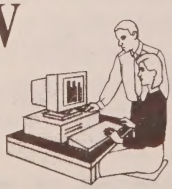
WILMINGTON, NC.

JUNE 3RD

9:00AM TO 3:00PM

FOR MORE INFORMATION CALL (910)-686-4325





W4CQ Is Proud To Present The 3rd Annual

Charlotte ARC Hamfest And Computer Fair

Sunday August 13, 1995
8:00 am - 4:00 pm

Location: Roll-A-Round Skate Center
8830 East Harris Blvd., Charlotte, N.C. 28227

Facilities: Large **INDOOR, A/C** facility with over 20,000 square feet.

Food: Concessions will be available with a variety of foods.

Tickets: $4.00 in advance, $5.00 at the door.

Tail Gaters: 6.00 per space. Admission/Prize Ticket not included.
Spaces are limited - first come, first served day of show.

FREE PARKING!

Flea Market: 8' x 2' tables are $8.00 in advance, $10.00 the day of show. Chairs are $1.00 each.
Gates open for unloading at 6:00 a.m.

Prizes: Grand Prize: Alinco DJ-580T, Pre-registration Prize: Computer Multi-Media Kit
Hourly door prizes to be announced.

Talk-In: 147.06 -

Name: _____ Call : _____

Address: _____

City: _____

State: _____ Zip: _____ Phone: _____

_____ Pre-registration tickets @ $4.00 each $ _____

_____ Flea market Tables @ $8.00 each $ _____

_____ Chairs @ $1.00 each $ _____

Total Enclosed: $ _____

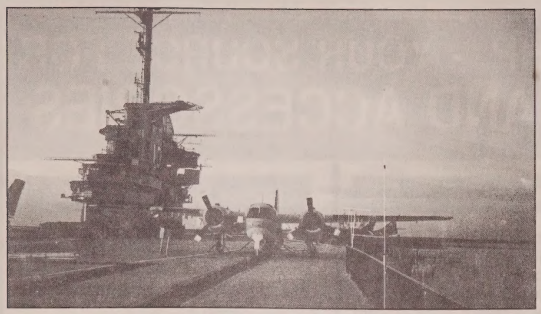
Make checks payable to:
Charlotte ARC

Please send with S.A.S.E. to:

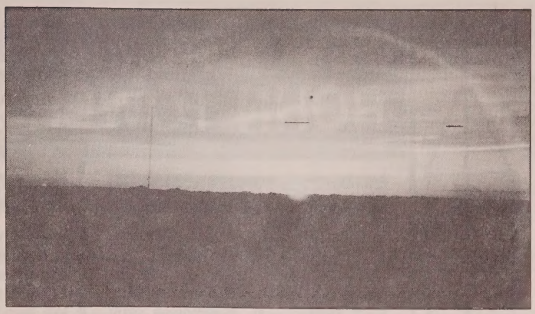
Charlotte ARC
P.O. Box 33582
Charlotte, N.C. 28233-3582

Pre-registrations without S.A.S.E. or received after August 1 will be held at the door.

For more information call:
Buck Escott, WB4OTP
(704) 522-4971 Ext. 3330



The USS Yorktown will again be the site of the Charleston ARC Field Day activities this year. The club has a special club house aboard the famous WW2 Aircraft Carrier.



Sunrise over the "Charleston Marsh" from atop the USS Yorktown is a striking beautiful site. The Charleston ARC hams have viewed this site many times as they conduct field day and have their clug station aboard.

Low Country South Carolina NEWS

by Ed Frank, KC4OOZ
614 Longstreet Circle - Summerville, SC 29483

There are all kinds of Major Events going on here in the Low Country this Spring. The BOC around the world Alone Sailboat race finished in April. Prizes will be presented on May 20th in Charleston.

There will be a Special Event station set up on the Yorktown on the Day of the prize giving to commemorate the race. The Low country linked repeater system will be used for local FM contacts. HF frequencies will be manned on 10, 15, 20 and 40 meters. It will be operated from 7:00 AM to 6:00 PM on 20 May. The last special event station we had made over 650 contacts.

*****

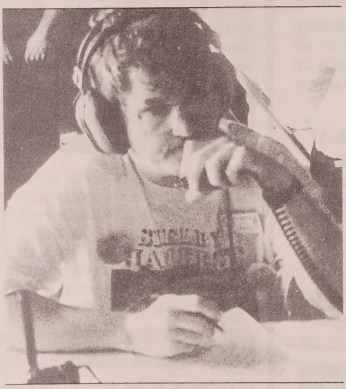
The Charleston hamfest was a complete success this year. It was held at Charleston Landing. Although it rained all day, we had the biggest turnout ever. We gave 35 candidates tests at the Hamfest site and made a lot of people very happy.

*****

The Charleston ARS will provide the communications for the Charleston Bridge run again this year. They are expecting in excess of 15,000 people to enter the race.

*****

The new building for the 145.25/ 443.800 repeater is finished and about to be hauled to the site. This will provide a very nice improvement to the local repeater system.



Engrossed in contacts, Glen, WB4UIV works HF at last year's Field Day event.

*****

Amateur Radio classes are being given in Ed's "Back Yard Schoolhouse" on tuesday and thursday at 7:00 PM. Dick Jones, KQ4TH is giving the No Code Tech class and Glenn Little, WB4UIV is giving the classes on Basic Repeair and Fundamental Electronics. Both courses last about 7 to 8 weeks. A diploma is awarded to those who complete the courses. For information and schedules, call (803) 871-4368.

*****

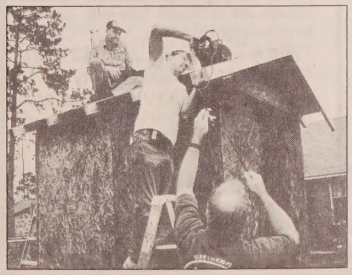
W5YI/ARRL VEC exams are held at the Trident Tech Campus on Rivers Ave. in Charleston on the 3rd saturday of each month at 9:00 AM. Bring two forms of ID, one must be a picture of you.

*****

I am looking forward to the field day this year. We will be on the Yorktown in Charleston Harbor overlooking the picturesque and historic harbor. It is one of the most beautiful sights in the world to watch at sunrise, looking off the Yorktown. It is fun being the only Amateur radio club in the world with an Aircraft Carrier for a clubhouse. You are invited (if in the area) to come down and visit for a spell. There is enough going on here for everyone to have some fun.

*****

Til August - send "Low Country" news! Ed . . .



Construction of the new building for the Charleston ARC 145.25 and 443.800 repeaters nears completion. Bryce, K4LXF sits on top ready to nail shingles, as John K4CSB does a bit of sawing while Mike keeps the extension cord out of the way.

WIN PRIZES! SEE PAGE 20!

Alive in '95

SERA Membership Contest Is Underway!

Thousands of $$$ in Amateur Equipment To Be Given Away by SERA at the Sept. Shelby, NC Hamfest.

Our grateful thanks to the following civic minded dealers who have already contributed money for purchasing prizes to add to the several thousand dollars SERA has set aside - more to come later!

MediaPro
IRI Amateur Electronics
Virginia Ham Radio Supply
Williams Radio Sales
Ray's Amateur Electronics
Communications HQ
The Country Ham

See details on Page 20 this issue!

WEST ANTENNA CORP. - YOUR SOURCE FOR ROHN TOWERS AND ACCESSORIES

Rohn 25G Straight Sections

In addition to a large stock of straight tower sections, we also have flat and sleeved top sections, thrust bearings, house brackets, short base sections, rotor plates, guy assemblies, guy wire, cable clamps, turnbuckles - you will need for a complete tower installation. Call us for more information!

Scotchkote Electrical Coating

Scotchkote Electrical Coating made by 3-M Co. can be used for underwater connections also. A 15-oz. can will do 50 to 100 connections.

15-Oz Can $12.00

ROPE

West Antenna has a huge inventory of all types of synthetic rope in all sizes to fit your every need. Large or small, your rope requirements can be met by us.

CHECK THESE ROPE SPECIALS:

Black Twisted Polyprophelene

Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

1/4-inch ..... 4 cents/foot
600 foot spool $20.00
3/8-inch ..... 8 cents/foot
600 foot spool $42.00

Solid Fiberglass Masts

West Antenna Corp. is pleased to now have in stock new nonconductive solid Fiberglass masts in 1-1/4, 1-1/2 and 2-inch diameters. Lengths up to 15-feet are available. **Call!!**

Miscellaneous

PL-259 Connectors (U.S. Made)
Each 0.65
10 or more 0.60
UG-175 or 176 Adapters 0.30
10 or more 0.25

Hard Line and Connectors

West Antenna can supply 1/2, 7/8, 1-1/4, and 1-5/8 - inch Hard Line in corrugated copper, also available is 1/4-inch corrugated copper superflex. We also have a limited stock of Hard Line connectors. If we do not have specific connectors you need in stock, they can be supplied within approximately 10 days.

CADWELD

The fastest and most reliable connections for buried or above ground rods. This system provides a molecular bond that can't loosen, can't corrode, isn't subject to galvanic corrosion, and is capable of carrying more current than the grounding conductor itself. West Antenna Corp. can also supply and install ground systems for commercial tower sites.

Polyphaser Lightning Suppressors

High quality commercial units. Low loss, low noise. Frequency range through 2 GHz. Bulkhead and inline types are available, including rotor cable and D.C. control lines. **Call for prices and more information.**

2-Way shops are urged to check with us for special Dealer Pricing.

Other Tower Accessories

Aluminum Mast Pipes, feature 2-inch OD, 6061 tubing - 1/4-inch wall.
12-foot lengths, 19 lbs - In Stock
24-foot lengths, 38 lbs. - In Stock

Cold Galvanizing - excellent for touching up rust spots on your tower and antenna bolts.

Large Spray Can $6.50

Guy Wire Insulators - Compression type, porcelain. Approx. 1-1/2 x 2-1/2 inches with 3/8-inch hole.

Insulators $2.50
10 or more $2.20

Stainless Steel Strapping Kits

Stainless steel strapping kits, for strapping hardline or multiple runs of Coax. Kits come with 25, 50, or 100 feet of stainless steel strapping and buckles.. **Call!**

For The Ultimate Mobile Installation

We have what you need - wire, fuse blocks, fuses, connectors, relays & breakers! You want your mobile Low Band or Amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE - Single Cond. - Stranded
Red or Black vinyl insulation
#10 wire ..... 0.30 per ft.
#14 wire ..... 0.14 per ft.

FUSE BLOCKS - Our fuse blocks are rugged, holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30 AMP Fuse Block $4.95
60 AMP Fuse Block $7.50

FUSES - Many Sizes available!
5,6,7,8,10,20,30 Amp ..... 0.80 ea
35,40,45,50,60 Amp Also available upon request. Give us a Call!

NOW AVAILABLE! **DC Breakers** for Mobile Installation. Call For Details!

RELAYS - These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting.

Type A - Special! $21.00
40-Amp Continuous - Duty Solonoid Type 12V $42.00
(Commercial Dealers call for special Dealer Prices!)

WEST ANTENNA CORP.

4110 BURLINGTON RD. GREENSBORO, NC 27405
ORDERS (800) 632-0389 FAX: (910) 375-0235
LOCAL (910) 621-2473 - Harwood West, WB4RLO

THE SERA OFFICIAL REPEATER INDEX

as of April 24, 1995

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SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings are those of the actual repeater owner or sponsor. We make every effort to keep the index as accurate as possible with information provided. The SERA Repeater lists contain certain repeaters which are NOT coordinated or not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by SERA.

Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements

SERA SIMPLEX FREQUENCIES

10 meter	29.60							
6 meters	52.49	52.51	52.525					
2 meters	146.40*	146.415*	146.43*	146.445*	146.46*	146.475	146.49*	146.505*
	146.52	146.535	146.55	146.565	146.58	146.595	147.405*	147.42*
	147.435*	147.45*	147.465*	147.48*	147.495*	147.51	147.525	147.54
	147.555	147.57	147.585					
220 MHz	223.42	223.44	223.46	223.48	223.50	223.52	223.54	223.56
	223.58	223.60	223.62	223.64	223.80	223.82	223.84	223.86
	223.88	223.90						
440MHz	445.825	445.85	445.875	445.90	445.925	445.95	445.975	446.00
(not all listed)	446.025	446.05	446.075	446.10	446.125	446.15		

* Permitted unless operation would cause interference to repeater inputs - be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.

SERA DIGITAL/PACKET SIMPLEX FREQUENCIES

2 meter:	144.91	144.93	144.95	144.97	144.99	145.01	145.03	145.05
	145.07	145.09	145.51	145.53	145.55	145.57	145.59	145.61
	145.63	146.65	145.67	145.69	145.71	145.73	145.75	145.77
	145.79							
220 MHz:	223.66	223.68	223.70	223.72	223.74	223.76	223.78	
440 MHz:	430.05	430.15	430.25	430.35	430.45	430.55	430.65	430.85
	430.95	440.975	441.00	441.025	441.05	441.075		

Note: 430.75 is reserved for ATV Audio Channel

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

REPEATER INDEX LISTINGS BY CITY - BY STATE

GEORGIA REPEATERS

10 METERS

ALBANY	W4MM	29.580	29.680	N	L
ATL/MARIETTA	N4NEQ	29.540	29.640	*	LT118.8
DALTON	N4BZJ	29.580	29.680	*	AL

6 METERS

ATL/MARIETTA	KD4DKW	52.090	53.090	*	LT118.8
AUGUSTA	K4EDU	52.030	53.030	N	O
#BISKEY MTN	KC4JNN	52.050	53.050	*	UNCOORD.
CARTERSVILLE	WB4AEG	52.070	53.070	*	PR
CLEVELAND	N4RBT	52.170	53.170	N	
CONYERS	WB4JEH	52.550	53.550	*	LT151.4
#CONYERS	WB4JEH	52.550	51.550	*	UNCOORD.
CRAWFORD	KD4FVI	52.330	53.330	*	ET88.5
DALTON	N4BZJ	52.130	53.130	*	
DOUGLASVILLE	N4UOX	52.470	53.470	N	T
#HIGH HOUSE MTN	W4VWH	52.450	53.450	N	UNCOORD.
JULIETTE	KC4ZIZ	52.430	53.430	*	B
PINE LOG MT	WB4UPC	52.050	53.050	N	L
PINE LOG MT.	KE4PN	52.290	53.290	N	L
VALDOSTA	KB0Y	52.890	53.890	*	T141.3
WATKINSVILLE	KD4AOZ	52.570	53.570	N	PROPOSED

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	*	PL
ALBANY	W4MM	144.550	145.150	N	L
ALBANY	W4MM	146.100	146.700	N	A
ALBANY	W4MM	146.130	146.730	N	
ALBANY	W4MM	146.220	146.820	N	
ALBANY	W4MM	147.720	147.120	N	O
ALBANY	WB4TFW	147.750	147.150	N	
AMERICUS	WD4EBB	147.870	147.270	N	
ATHENS	WA4BKF	146.145	146.745	*	P
ATHENS/CRAWFORD	K4TQU	147.975	147.375	*	P
ATL/UNION CITY	WA4UPE	146.025	146.625	*	BEP
ATLANTA	W4AQL	144.550	145.150	N	PEB
#ATLANTA	WB6RTH	144.590	145.190	*	UNCOORD.
ATLANTA	NK9Q	144.690	145.290	N	BEP
ATLANTA	W4DOC	144.750	145.350	*	
ATLANTA	WB4QGR	146.040	146.640	N	T
ATLANTA	W4DOC	146.220	146.820	*	EP
ATLANTA	K4CLJ	146.370	146.970	N	T
ATLANTA	WA4NNO	146.400	147.000	N	P
ATLANTA	K4YSB	147.705	147.105	N	Y
ATLANTA	K4JPD	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	*	BT110.9
ATLANTA/AIRPORT	W4REI	147.630	147.030	*	
ATLANTA/BELL	W4PME	144.810	145.410	*	BEP
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	N	ABLRT118.8
ATLANTA/MARIETTA	N4NEQ	147.945	147.345	*	ELRP118.8
ATLANTA/SWEAT MT	KD4NC	146.130	146.730	*	LK
AUGUSTA	W4TUN	144.510	145.110	*	A
#AUGUSTA	N4MWQ	144.690	145.290	*	UNCOORD
AUGUSTA	AA4UA	144.770	145.370	N	AB
#AUGUSTA	NA4I	144.810	145.410	*	UNCOORD
AUGUSTA	W4DV	144.890	145.490	*	B
AUGUSTA	N4MWQ	146.040	146.640	*	O
AUGUSTA	KT4N	146.340	146.940	N	
AUGUSTA	NA4I	146.385	146.985	*	BELPT100.0
AUGUSTA	NI4S	147.720	147.120	N	P
AUGUSTA	N4BMA	147.780	147.180	N	Y
BALDWIN	WD4NHW	147.780	147.180	*	A
BLAIRSVILLE	K5PRE	146.355	146.955	*	
BONAIRE	KM4DT	147.615	147.015	*	
BOSTON	W4UCJ	147.795	147.195	*	ABE
BRNSWK/JEKYLL IS	KB4PXX	144.810	145.410	N	
BRUNSWICK	K4TVE	146.130	146.730	N	A
CALHOUN/JASPER	KC4AQS	147.405	146.805	N	PLBR
CARROLLTON	W4FWD	146.040	146.640	*	BET131.8
CARTERSVILLE	N4GIS	146.415	147.015	*	BERP
CEDARTOWN	W4CMA	147.720	147.120	*	P
CHATSWORTH	N4YYD	144.650	145.250	N	BERPT71.9
CHULA	WD4LYV	147.885	147.285	N	B
CLARKESVILLE	K4HCA	147.720	147.120	*	BEP
CLAYTON	WA4BLQ	144.650	145.250	*	
CLEVELAND/LONG	WB4HIG	146.310	146.910	N	A
COCHRAN	N4MXC	144.510	145.110	*	ABET
COLUMBUS	KA4CEK	144.710	145.310	N	
COLUMBUS	W4CVY	146.010	146.610	N	A
COLUMBUS	W4CVY	146.280	146.880	N	
COMMERCE	KB4ZUN	147.825	147.225	N	
CONYERS	WB4JEH	144.630	145.230	*	LT151.4
CONYERS	WB4JEH	146.010	146.610	*	ABLT151.4
CONYERS	N4EMM	147.810	147.210	N	BEPT162.2
COOLIDGE	N4JBF	144.570	145.170	N	PR
CORDELE	KB0Y	144.630	145.230	*	PROPOSED
CORDELE	KA4WUJ	144.890	145.490	*	BT103.5
COVINGTON	WA4ASI	146.325	146.925	*	AL
#COVINGTON	WA1KMS	147.870	147.270	*	UNCOORD.
CUMMING/SAWNEE	K4BYK	147.750	147.150	*	PL
DAHLONEGA	N4KHQ	147.435	146.835	*	BPR
DALLAS	K4DVJ	146.250	146.850	N	PE
DALLAS	WD4LUQ	147.495	146.895	*	BRT77.0
DALTON	KS4BS	144.630	145.230	N	A
DALTON	N4BZJ	147.735	147.135	*	ABELRT100.0
DECATUR	W4BOC	144.850	145.450	N	
DOUGLAS	K4SES	147.645	147.045	*	
DOUGLAS	K4SES	147.765	147.165	N	E
DOUGLASVILLE	N4ZCV	144.510	145.110	*	UNCOORD.
DOUGLASVILLE	WA4CLC	147.960	147.360	*	
DUBLIN	WA4HZX	147.960	147.360	*	A
EASTMAN	KD4DTA	144.610	145.210	N	B
EATONTON	KC4YHM	147.690	147.090	*	ABELT179.9
ELBERTON	N4UJT	146.025	146.625	N	
ELLIJAY/TALONA M	KC4ZGN	146.385	146.985	*	ABT77.0
FAYETTEVILLE	W4PSZ	144.610	145.210	*	PE
FAYETTEVILLE	K4UWN	146.085	146.685	*	
FLINTSTONE	W4FGQ	144.750	145.350	*	
FOLKSTON	KD4GEY	146.190	146.790	N	
#FORSYTH	W4STJ	147.315	147.915	N	UNCOORD
FORSYTH	KB4KIN	147.765	147.165	N	PL
GAINESVILLE	W4NSO	146.070	146.670	*	PET131.8
GRIFFIN	K4HYB	144.790	145.390	*	P
GRIFFIN	K4HYB	146.310	146.910	*	
HARTWELL	WA4RBS	146.295	146.895	N	BT100.0
HINESVILLE	KF4UM	147.615	147.015	*	ABE
IRWINTON	WB4NFG	147.840	147.240	*	ABT77.0
JASPER	KB4IZF	144.770	145.370	*	BPT100.0
JASPER	W4OOM	146.100	146.700	*	
JESUP	WA4EQL	144.590	145.190	*	B
JESUP	KA4EIM	144.830	145.430	*	A
JESUP	N4PJR	146.325	146.925	*	P
JESUP/SCREVEN	N4PJR	147.945	147.345	*	O
JONESBORO	WA4DIW	144.570	145.170	*	BE
JONESBORO	WA4OGE	144.730	145.330	*	E
KIBBEE	K4HVK	146.220	146.820	*	PT
#LAFAYETTE	KB4VAK	147.975	147.375	*	UNCOORD.
LAGRANGE	WB4BXO	147.930	147.330	N	
LAVONIA	K4NVG	146.115	146.715	*	BEPT100.0
LAWRENCEVILLE	WB0QGH	144.590	145.190	*	PROPOSED
LAWRENCEVILLE	WD4JXR	147.675	147.075	*	EP
#LOOKOUT MTN	KC4WHD	147.810	147.210	*	UNCOORD.
MACON	W4BKM	144.770	145.370	N	
MACON	WB4OLL	144.830	145.430	N	PLR
MACON	W4BKM	146.060	146.660	N	NBP
MACON	KC4ZGR	146.205	146.805	*	AET100.0
MACON	N3SM	146.295	146.895	*	AT123.0
MACON	WA4DDI	147.660	147.060	*	T
MADISON	WB4DKY	146.265	146.865	*	A
MARIETTA	K4LCI	144.830	145.430	*	P
MARIETTA	WA4QPL	144.890	145.490	*	PE
MARIETTA	N4NFP	146.175	146.775	*	BLRPT118.8
MARIETTA	W4IUD	146.280	146.880	N	
MILLEDGEVILLE	KF4LT	144.550	145.150	N	PT
MILLEDGEVILLE	WB4DOJ	146.100	146.700	*	A
MILLEDGEVILLE	K4FRM	147.735	147.135	*	BLT123.0
MOULTRIE	WD4KOW	146.190	146.790	N	
NEWNAN	K4SEX	144.530	145.130	*	BEPT111
NEWNAN	K4SEX	146.190	146.790	*	BEPT111
PEMBROKE	WB4CJB	147.675	147.075	N	A
PERRY	AC4MU	146.355	146.955	*	B
PINE MT/HAMILTON	WB4ULJ	144.590	145.190	N	B
QUITMAN	WA4NKL	146.280	146.880	N	
RICEBORO	KF4UM	144.870	145.470	*	ABE
RINGGOLD	W4ABZ	146.115	146.715	N	
ROME	WB4YSV	147.900	147.300	N	
ROME/MT. ALTO	W4VO	146.340	146.940	*	BP
ROSWELL	N4CLA	147.660	147.060	*	PE
SANDERSVILLE	AD4ID	144.670	145.270	*	AT77.0
SAVANNAH	KK4TO	146.100	146.700	*	PE
SAVANNAH	W4HBB	146.280	146.880	N	AB
SAVANNAH	W4HBB	146.370	146.970	N	AB
SAVANNAH	KK4TO	147.810	147.210	*	PE
SAVANNAH	KK4TO	147.930	147.330	*	BEP
ST SIMONS ISL	KA4CVE	147.690	147.090	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.710	145.310	N	
STONE MT	W4BOC	146.160	146.760	N	
SUMMERVILLE	KA4LVY	147.825	147.225	*	A
SWAINSBORO	K4VYX	146.190	146.790	N	O
SWEAT MT/MARIETTA	N4CLA	144.870	145.470	*	PE
THOMASTON	K4IMK	147.990	147.390	N	
THOMASVILLE	W4UCJ	147.660	147.060	*	O
#THOMASVILLE	KD4POG	147.840	147.240	*	UNCOORD
THOMSON	KC4GSS	146.235	146.835	*	A
TOCCOA	KA4DIP	147.930	147.330	*	
TWIN CITY	N4REB	147.915	147.315	N	PR
VALDOSTA	KB0Y	144.530	145.130	*	LRT141.3
VALDOSTA	N4NQG	146.160	146.760	*	BRPT141.3
VALDOSTA	KB0Y	147.735	147.135	*	PT141.3
VIDALIA	KE4ZZ	146.025	146.625	N	A
WALESKA/PNLGMT	KE4PN	144.670	145.270	N	L
WARM SPRINGS	KN4FE	146.385	146.985	N	BE

More Georgia Repeaters . . .

WARNER ROBINS	WA4QWI	146.250 146.850 *	BP
WARNER ROBINS	WB4BDP	147.780 147.180 *	ABL
WARNER ROBINS	AC4MU	147.900 147.300 *	ABER
WATKINSVILLE	KD4AOZ	147.645 147.045 *	
WAYCROSS	KD4CEX	146.040 146.640 N	A
WAYNESBORO	WD4COL	144.630 145.230 N	
WRENS	KB4NA	146.175 146.775 *	
WRIGHTSVILLE	WA4RVB	146.340 146.940 N	ABLR

220 MHZ

ACWORTH/ATL	N4MTA	222.720 224.320 *	BEPT100.0
ACWORTH/ATL	N4MTA	222.900 224.500 *	BEPT100.0
#ALPHARETTA	NX9O	222.980 224.580 N	UNCOORD.
#ALPHARETTA	WB6RTH	223.240 224.840 *	UNCOORD.
ALPHARETTA	KC4JNN	223.260 224.860 *	ABELRT100.0
ATL/MARIETTA	N4NEQ	222.840 224.440 *	BLRPT118.8
ATLANTA	N4BLR	222.680 224.280 N	
ATLANTA	W4DOC	222.740 224.340 *	
ATLANTA	W4DOC	222.960 224.560 *	
ATLANTA	KK4C	223.220 224.820 N	
ATLANTA-NE	KC4OVY	222.600 224.200 *	BRPT100.0
ATLANTA/BELL	W4ZTL	223.020 224.620 *	BEP
ATLANTA/MARIETTA	N4NFP	222.520 224.120 *	ABLRT118.8
AUGUSTA	AA4UA	222.600 224.200 N	AB
AUGUSTA	WB4KXO	223.340 224.940 *	P
BALDWIN	WS4F	222.500 224.100 *	
BISKEY MTN	KC4JNN	222.560 224.160 *	ABELRT100.0
BRUNSWICK	N3GLC	222.580 224.180 N	
CALHOUN	AE4AA	222.860 224.460 *	EP
CARTERSVILLE	N4GIS	223.000 224.600 *	BERP
CLAYTON	KI4WR	223.120 224.720 N	
CLEVELAND	N4RBT	222.780 224.380 N	P
#CONYERS	WB4JEH	222.420 224.020 *	UNCOORD.
CUMMING	K4JSR	223.380 224.980 *	PL
#DALLAS	N4YDX	222.440 224.040 N	UNCOORD.
DALLAS	N4YDX	222.580 224.180 N	BL
DALLAS	N4YEA	222.940 224.540 *	BP
DALTON	N4BZJ	222.760 224.360 *	ABT
DALTON	N4BZJ	223.080 224.680 *	
DALTON	N4KVC	223.140 224.740 *	ERT
ELLIJAY	KC4ZGN	223.200 224.800 *	PROPOSED
FORT MOUNTAIN	KD4JBQ	223.320 224.920 N	ABERT
FORT MTN/CHATSWO	N4YYD	222.640 224.240 N	BERPT71.9
HIRAM	KC4PZD	223.100 224.700 N	B
HIRAM	N4ZJG	223.360 224.960 N	ABL
#LOGANVILLE	WB6RTH	223.040 224.640 *	UNCOORD.
MACON	W4BKM	223.060 224.660 N	
MARIETTA	KV4L	222.660 224.260 N	BP
MARIETTA	WD4JEM	222.800 224.400 N	PROPOSED
MARIETTA	WA4QPL	223.300 224.900 *	PE
NORCROSS	KB4PRH	222.880 224.480 N	
PINE LOG MTN	KE4AIS	222.920 224.520 *	A
RINGGOLD	W4ABZ	223.040 224.640 N	P
ROCKMART	KC4KLW	223.180 224.780 *	
ROME	WB4YSV	222.820 224.420 N	
ROSSVILLE	KC4EV	223.340 224.940 N	
SNELLVILLE	KR4KS	223.320 224.920 N	
STONE MT	W4BOC	223.160 224.760 N	
TEMPLE	KC4NYV	222.700 224.300 N	B
THOMASVILLE	N4JBF	222.720 224.320 N	AL
VALDOSTA	KB0Y	222.860 224.460 *	PT141.3
WARNER ROBINS	AC4MU	223.240 224.840 *	ABER
YORKVILLE	WD4LUQ	223.280 224.880 *	BRT77.0

440 MHZ

ALBANY	W4MM	449.500 444.500 N	
ALPHARETTA	WB6RTH	447.000 442.000 *	ABEKL
ATL/MARIETTA	N4NFP	447.800 442.800 *	LT118.8
ATLANTA	WA4NMF	447.025 442.025 *	T100.0
ATLANTA	WA4CNG	447.100 442.100 N	PROPOSED
#ATLANTA	WB6RTH	447.225 442.225 *	UNCOORD.
ATLANTA	WB5TUF	447.525 442.525 *	RT
ATLANTA	WA4YNZ	447.975 442.975 N	TPL
ATLANTA	WA4NMF	448.025 443.025 *	T100.0
ATLANTA	KE4ZV	448.650 443.650 N	T118.8
ATLANTA	KD4LXT	448.875 443.875 *	BEP
ATLANTA	W4DOC	449.450 444.450 *	
ATLANTA	WB4UWL	449.500 444.500 *	T123.0
ATLANTA	N4WQ	449.625 444.625 N	AO
ATLANTA	W4DOC	449.825 444.825 *	
ATLANTA	WA4NNO	449.925 444.925 N	
ATLANTA	WA4YNZ	449.975 444.975 N	PTLR
ATLANTA/BELL	W4ZTL	449.150 444.150 *	BEP
ATLANTA/MARIETTA	N4NFP	448.800 443.800 N	BLRPT118.8
ATLANTA/MARIETTA	N4NEQ	449.050 444.050 *	BT118.8
ATLANTA/MARIETTA	N4NEQ	449.775 444.775 *	ABLRP118.8
ATLANTA/STONE MT	W4BOC	449.250 444.250 N	
AUGUSTA	AA4UA	449.400 444.400 N	AB
#AUGUSTA	NA4I	449.900 444.900 *	UNCOORD.
AUGUSTA	NA4I	449.950 444.950 *	
BALDWIN	WD4NHW	447.350 442.350 *	
BARNESVILLE	N4GWO	448.675 443.675 N	PROPOSED
#BISKEY MTN	KC4JNN	448.250 443.250 *	UNCOORD.
BRUNSWICK	KD4CPO	448.425 443.425 *	A
BRUNSWICK	K4TVE	449.975 444.975 N	O
CALHOUN/JASPER	KC4AQS	448.375 443.375 N	BP
CEDARTOWN	KD4EKZ	448.400 443.400 *	T123.0
CEDARTOWN	KD4NTF	448.575 443.575 *	BPT107.2
CHATSWORTH	N4OGF	448.000 443.000 *	
CHESTER	WB4JWM	448.025 443.025 *	BT
CHESTER	KD4IEZ	449.525 444.525 *	BT
CLARKESVILLE	K4HCA	447.425 442.425 *	B
#CONCORD	WB4GWA	448.400 443.400 *	UNCOORD
CONYERS	WB4JEH	447.550 442.550 *	LT151.4
CONYERS	N4EMM	447.750 442.750 N	RP
CONYERS	WB4JEH	449.550 444.550 *	LT151.4
CONYERS	N4EMM	449.750 444.750 N	PL
CONYERS	KC4ELV	449.875 444.875 *	BLP
COVINGTON	KL7TF	448.750 443.750 N	B
COVINGTON	KE4PVE	449.175 444.175 *	BLT
#COVINGTON	WA1KMS	449.600 444.600 *	UNCOORD.
COVINGTON	WA4ASI	449.800 444.800 *	ALT88.5
DACULA	KK4IN	448.550 443.550 N	ALR
DAHLONEGA	N4KHQ	448.100 443.100 *	
DALLAS	WD4LUQ	449.700 444.700 *	BRT77.0
#DALTON	N4BZJ	447.175 442.175 *	UNCOORD
#DALTON	N4BZJ	449.500 444.500 *	UNCOORD
DALTON	N4BZJ	449.850 444.850 *	
DECATUR	N3APR	447.200 442.200 N	A
DECATUR	KA4UFM	448.950 443.950 *	BPT110.9
DECATUR	WB4LBM	449.200 444.200 N	
DOUGLASVILLE	N4PLM	449.575 444.575 *	
DUBLIN	KC4FKD	447.600 442.600 N	PT136.5
DULUTH	N2NOG	447.300 442.300 N	BELP
DULUTH	W4IXN	448.775 443.775 *	PROPOSED
EATONTON	KC4YHM	447.925 442.925 *	ABE
#ELLIJAY	KC4ZGN	447.700 442.700 *	UNCOORD.
ELLIJAY	KC4ZGN	449.900 444.900 *	PROPOSED
FOLKSTON	KD4GEY	449.475 444.475 N	PROPOSED
FORT MOUNTAIN	KD4JBQ	447.575 442.575 N	ABERT
FORT MTN/CHATSWO	N4YYD	448.350 443.350 N	BERPT71.9
GAINESVILLE	W4NSO	447.625 442.625 *	PET131.8
GRIFFIN	WB4DEB	448.900 443.900 N	PT
HAMILTON	WB4ULJ	449.400 444.400 N	B
HAMPTON	WB4DEB	448.125 443.125 N	
#HELEN	W4MMQ	449.350 444.350 *	UNCOORD.
HIGH HOUSE MTN	KD4APP	448.200 443.200 N	
#HIGH PT/LOOKT M	KB4VAK	448.450 443.450 *	UNCOORD.
HINESVILLE	KF4UM	449.850 444.850 *	
HOG MOUNTAIN	NZ3I	447.900 442.900 *	BPT103.5
JASPER	KB4MDE	448.425 443.425 N	
JASPER	KB4IZF	449.375 444.375 *	BPT103.5
JESUP	N4PJR	449.925 444.925 *	O
JONESBORO	N4QCP	448.225 443.225 N	
LAKE SINCLAIR	KD4IEZ	449.700 444.700 *	
LAVONIA	K4NVG	447.475 442.475 *	BPT203.5
LAWRENCEVILLE	WB0QGH	447.850 442.850 *	BT82.5
LAWRENCEVILLE	WB4QDX	449.000 444.000 N	
LAWRENCEVILLE	WB4QDX	449.025 444.025 *	T100.0
LAWRENCEVILLE	KC4LU	449.400 444.400 N	BT82.5
#LOOKOUT MTN	KC4WHD	449.350 444.350 *	UNCOORD.
MACON	K4VTT	447.275 442.275 *	ABELRT100.0
MACON	N4IWK	447.875 442.875 N	P
MACON	KC4ZIZ	448.075 443.075 *	
MACON	W4BKM	449.100 444.100 N	
MACON	K4VTT	449.275 444.275 *	T123.0
MARIETTA	N1KDO	447.050 442.050 *	PT118.8
MARIETTA	KE4QFG	447.325 442.375 *	PROPOSED
MARIETTA	WA4OKJ	447.600 442.600 N	PROPOSED
MARIETTA	N4MTA	448.500 443.500 *	BEP
MARIETTA	KM4BA	448.600 443.600 N	PT
MARIETTA	KM4BA	448.700 443.700 N	
MARIETTA	KM4BA	449.325 444.325 N	PTO
#MARIETTA/ATL	KE4QFG	447.725 442.725 *	UNCOORD.
MONROE	KD4WOU	448.825 443.825 *	T
PEACHTREE CITY	N4YTR	449.675 444.675 N	BP
PERRY	AC4MU	449.950 444.950 *	
#QUITMAN	WA4NKL	449.600 444.600 N	UNCOORD.
RINGGOLD	WA4LJU	448.925 443.925 N	
ROCHELLE	WB4OQX	448.200 443.200 *	BE
ROCKMART	KC4KLW	448.275 443.275 *	ABT179.9
ROCKMART	KC4KLW	448.525 443.525 *	
ROSSVILLE	N4PLP	447.125 442.125 N	C
ROSWELL	W8BLA	447.025 442.075 N	AT
ROSWELL	N4SE	447.150 442.150 N	
ROSWELL/BELL	W4QO	448.150 443.150 *	
SAVANNAH	KK4TO	447 700 442.700 *	B
SAVANNAH	WD4AFY	449.000 444.000 N	B
SMYRNA	N4IBW	449.650 444.650 *	
SNELLVILLE	WD4JXR	449.525 444.525 N	PT
STOCKBRIDGE	N4JMD	448.325 443.325 N	PTL
STOCKBRIDGE	N4JMD	448.325 443.325 N	PTR
SWEAT MT/MARIETT	N4CLA	449.475 444.475 *	EP
THOMASVILLE	KD4POG	448.250 443.250 *	PROPOSED
VALDOSTA	KB0Y	449.350 444.350 *	PT141.3
VALDOSTA	KD4QYK	449.700 444.700 *	T141.3
WALESKA/PNLOG MT	WB4YSV	448.850 443.850 N	L
WALUSKA/PINE LOG	WB4YSV	443.850 448.850 N	NB
WARM SPRINGS	N4UER	447.400 442.400 N	BE
WARNER ROBINS	AC4MU	447.900 442.900 *	
WARNER ROBINS	WB4BDP	449.225 444.225 *	EP
WATKINSVILLE	KD4AOZ	449.725 444.725 *	

920 MHZ

DALTON	N4BZJ	907.100 919.100 *	T
#SAVANNAH	WA4VHP	910.250 923.000 *	UNCOORD.

1270 MHZ

ATLANTA NORTH	W4DOC	1271.400 1291.400 *	
ATLANTA/BELL	KB4KIN	1272.000 1292.000 *	

ATV REPEATERS

ALBANY	W4MM	439.250 427.250 N	OV
ATL/MARIETTA	N4NEQ	255.000 427.250 *	VR
#ATLANTA/BELL	W4ZTL	434.000 421.250 *	UNCOORD
BRNSWK/JEKYLL IS	KB4PXX	439.250 421.250 N	V
#DALTON ATV	N4BZJ	265.000 421.250 *	UNCOORD
SAVANNAH	KK4TO	434.000 421.250 *	V
SAVANNAH	WA4VHP	439.250 427.250 *	BRTV

KENTUCKY REPEATERS

6 METERS

ASHLAND	WA4IBB	52.010 53.010 *	
HIGHLAND HEIGHTS	AD4CC	52.330 53.330 *	ABR
LOUISVILLE	WB4LBR	53.025 52.025 N	NB
STANTON	WD4KNE	52.810 53.810 N	P

2 METERS

ALLEN	K4ICN	147.900 147.300 *	ALR
ASHLAND	KA4OIL	146.340 146.940 *	P
ASHLAND	KA4DII	147.840 147.240 *	P
ASHLAND	WA8KWH	147.930 147.330 N	A
BARDSTOWN,NELSON	WB4GGH	144.870 145.470 *	
BAXTER	WM4H	147.780 147.180 N	A
BEREA	KI4B	146.115 146.715 N	
BLACK MOUNTAIN	N4UDV	147.810 147.210 N	PROPOSED
BOWLING GREEN	WD4MNI	146.055 146.655 *	R
#BOWLING GREEN	KA4CLL	146.250 146.850 N	UNCOORD.
BOWLING GREEN	KA4CFW	147.930 147.330 *	B
BROOKS	W4BDC	146.100 146.700 *	BELPRT
CALVERT CITY	KA4KFD	147.705 147.105 N	AB
CANE VALLEY	WA4UXJ	146.040 146.640 N	A
#CENTRAL CITY	WF4N	146.040 146.640 *	UNCOORD.
CORBIN	WD4KWV	146.010 146.610 *	P
COVINGTON	WA8PBW	144.810 145.410 N	
COVINGTON	WA8PBW	147.990 147.390 N	A
CRESTWOOD	WD8ACR	147.990 147.390 *	PT151.4
DANVILLE	WD4DZC	146.055 146.655 N	A
DIXON	N4IOX	147.855 147.255 N	P
DORTON	KC4KZT	147.495 146.895 *	ERP
DRAKESBORO	AA4PL	146.220 146.820 *	C
ELIZABETHTOWN	KD4GLI	144.750 145.350 N	A
ELIZABETHTOWN	W4BEJ	146.380 146.980 *	ABL
FARMINGTON	WB4BHM	147.840 147.240 *	
FLORENCE	K4JBV	146.295 146.895 *	ALRT100.0
FRANKFORT	KC4KDZ	144.790 145.390 *	OBEP
FRANKFORT	KA4NGQ	147.075 147.675 N	
FRANKFORT	KC4AI	147.840 147.240 N	T100.0
GLASGOW	W4WZH	146.340 146.940 *	AB
GLASGOW	W4WZH	146.355 146.955 *	A
GRAYSON	KF4JO	146.100 146.700 N	
GREENVILLE	WA4TTC	146.145 146.745 *	P
GRETHEL	KJ4VF	147.645 147.045 *	LRP
GUTHRIE	KA4NNE	146.205 146.805 N	L
HALLS GAP	WD8PRH	144.570 145.170 *	AL
HARLAN	WA4ZAC	147.705 147.105 N	
#HAWESVILLE	K9ZK	147.705 147.105 N	UNCOORD.
HAZARD	K4VHF	146.070 146.670 *	B
HAZARD	WD8PRH	146.205 146.805 *	AL
HENDERSON	W4KVK	144.890 145.490 N	
HENDERSON	K4DPP	146.370 146.970 N	
HIGHLAND HEIGHTS	W4YWH	146.190 146.790 *	
HIGHLAND HEIGHTS	K4CO	147.855 147.255 *	PT123.0
#HODGENVILLE	KC4TX	147.915 147.315 N	UNCOORD.
HOPKINSVILLE	KF4FO	146.110 146.710 N	BR
HOPKINSVILLE	WA4ZVL	147.630 147.030 *	A
IRVINE	WB4AIA	146.220 146.820 *	EP
IRVINE	AD4RU	147.615 147.015 *	BP
IRVINGTON	WB4WVH	146.300 146.900 *	AE
JACKSON	WA4MXO	144.810 145.410 N	A
#JOHNATHAN CREEK	N4SEI	146.385 146.985 N	UNCOORD.
LEESBURG	KC4UPE	144.510 145.110 *	BPT
LEXINGTON	KC4TX	144.850 145.450 N	P
LEXINGTON	KC4ZY	146.085 146.685 N	A
LEXINGTON	AC4AO	146.130 146.730 *	
LEXINGTON	K4KJQ	146.160 146.760 N	PE
LEXINGTON	WA4HBM	147.765 147.165 N	
LEXINGTON	KJ4VF	147.795 147.195 N	AB
LEXINGTON/GRGTWN	WD8PRH	144.610 145.210 *	L
LITCHFIELD	KB4NFK	147.825 147.225 N	
LONDON	KC4ZFH	147.885 147.285 N	T
LOUISVILLE	WD8PRH	144.630 145.230 *	L
LOUISVILLE	WD4ELX	144.690 145.290 N	PROPOSED
LOUISVILLE	W4OAU	146.280 146.880 *	P
LOUISVILLE	W4PJZ	147.630 147.030 *	BERPT151.4
LOUISVILLE	N4NMC	147.670 147.070 *	BEPT151.4
LOUISVILLE	W4CN	147.780 147.180 *	PE
LOUISVILLE	N4KWT	147.870 147.270 N	
LOUISVILLE	KQ9Z	147.960 147.360 N	A
LOUISVILLE AREA	N4RBL	144.530 145.130 *	BT151.4
LYNCH/BLACK MT	N4IZD	147.945 147.345 N	
LYNN GROVE	KA4BLZ	146.235 146.835 N	PT210.7
MADISONVILLE	WA4PVV	146.010 146.610 *	AB
MARION	KA4FGA	147.885 147.285 N	
MAYSVILLE	WA4WMM	144.870 145.470 *	BEP
MIDDLESBORO	W4PPM	146.175 146.775 N	

More Kentucky Repeaters

MONTICELLO	N4TLK	144.550	145.150 *	BP
MOREHEAD	KJ4VF	144.530	145.130 *	LRP
MOREHEAD	K4GFY	146.310	146.910 N	
MORRILL DATA 120	N4TY	144.670	145.270 N	PROPOSED
MORRILL DATA 960	N4TY	144.710	145.310 N	PROPOSED
#MOUNTAIN ASH	KD4DAX	144.750	145.350 *	UNCOORD.
MT. STERLING	WD4KNE	147.930	147.330 *	P
MURRAY	WB4NTB	146.340	146.940 *	BP
#NEBO	AA4NI	146.130	146.730 *	UNCOORD.
NICHOLASVILLE	WB4CWF	144.890	145.490 N	PE
#NICHOLASVILLE	WB4LBI	146.390	146.990 N	UNCOORD.
#OWENSBORO	KN4KQ	146.090	146.690 *	UNCOORD.
OWENSBORO	K4HY	147.810	147.210 N	AL
OWINGSVILLE	N4TLP	147.675	147.075 N	A
PADUCAH	K4CUW	146.160	146.760 N	
PADUCAH	W4WQ	147.660	147.060 N	
PAINTSVILLE	AK4U	146.190	146.790 N	PL
PHELPS	KJ4YK	147.690	147.090 *	R
PIKEVILLE	AD4BI	144.550	145.150 *	BR
PIKEVILLE	KM4IV	146.250	146.850 *	ELR
#PINEVILLE	WA4YZY	146.040	146.640 *	UNCOORD.
PRESTONSBURG	WB4UBY	147.765	147.165 *	
PRINCETON	W4KBL	146.070	146.670 *	
PROVIDENCE	N4IUI	147.930	147.330 N	
RADCLIFF	W4BEJ	146.325	146.925 *	ABL
RICHMOND	KD4PWK	144.770	145.370 N	BPT192.8
RICHMOND	AC4UW	146.265	146.865 N	BP
SALEM	N4IL	147.915	147.315 *	
SALVISA	KC4ZOX	146.235	146.835 *	BLPT192.8
SALYERSVILLE	KB4SQI	144.590	145.190 N	AB
SCOTTSVILLE	KJ4GL	144.650	145.250 N	A
SHELBYVILLE	KE4LR	147.600	147.000 *	BEP
SOMERSET	N4AI	146.280	146.880 *	BL
SPRINGFIELD	WA4SJH	147.900	147.300 N	ABL
ST. CHARLES	WA4GSB	147.870	147.270 N	
STANTON	WD8PRH	146.370	146.970 *	ARC
TOMPKINSVILLE	KJ4OG	146.175	146.775 N	PROPOSED
UNION CITY (TN)	WA4YGM	146.100	146.700 N	
VANCEBURG	KC4TKI	146.175	146.775 *	P
VERSAILLES	KN4YX	144.730	145.330 N	AB
WALTON	K4CO	147.975	147.375 *	
WEBSTER	K4ULW	146.025	146.625 *	B
WILLIAMSBURG	KG4M	147.600	147.000 *	
WINCHESTER	WB4ASZ	147.720	147.120 N	EP

220 MHZ

ASHLAND	KC4QK	222.340	223.940 *	
AUGUSTA	KC4UXD	222.320	223.920 N	PC
IRVINE	AD4RU	223.340	224.940 *	BP
JARVIS	KB4PNG	223.380	224.980 N	ABELR
LA GRANGE	N4RBL	223.100	224.700 *	PROPOSED
LANCASTER	KD4RXF	222.960	224.560 *	P
LEXINGTON	AC4AO	222.820	224.420 *	ABEL
LEXINGTON	KR4BD	223.200	224.800 *	
LOUISVILLE	KA4MKT	222.700	224.300 N	B
LOUISVILLE	W4MOP	223.220	224.820 N	P
MIDDLESBORO	AA8NA	222.520	224.120 N	T82.5
PIKEVILLE	WB4F	222.980	224.580 N	
PIKEVILLE	KD4DAR	223.020	224.620 *	R
SOMERSET	N4AI	222.700	224.300 *	BER
SOMERSET	N4AI	223.280	224.880 *	BL
VERSAILLES	AD4CR	222.620	224.220 N	BERP

440 MHZ

ALLEN	N4IWZ	449.775	444.775 *	AR
ASHLAND	WB4TAT	449.975	444.975 *	
BOWLING GREEN	WD4MNI	449.100	444.100 *	ABL
BOWLING GREEN	N5KOL	449.650	444.650 *	PT136.5
CORBIN	WB4IVB	449.900	444.900 *	RT100.0
DORTON	KJ4VF	448.250	443.250 *	LRP
ELIZABETHTOWN	W4BEJ	449.800	444.800 *	ABL
FLORENCE	KC4COV	449.175	444.175 *	ALRT100.0
FORT WRIGHT	KC4KMV	447.525	442.525 N	BP
GLASGOW	W4WZH	449.925	444.925 *	
GLASGOW/CVCTY	KF4DC	449.250	444.250 *	
GRAEFENBURG	N4HZX	448.550	443.550 *	BEPR
GRETHEL	KJ4VF	449.525	444.525 *	
HAWESVILLE	KB4QFL	449.625	444.625 N	P
HENDERSON	N4GYT	449.275	444.275 N	A
#HENDERSON	N9APA	449.450	444.450 N	UNCOORD.
HENDERSON	KA4NCX	449.725	444.725 N	PROPOSED
HIGHLAND HEIGHTS	W4YWH	449.900	444.900 *	
HOPKINSVILLE	KE4AIF	449.750	444.750 N	PROPOSED
IRVINE	WB4AIA	447.900	442.900 *	P
IRVINE	AD4RU	449.000	444.000 N	BP
JENKINS	KK4WH	449.300	444.300 N	BLRP
LATONIA	AA4XV	447.400	442.400 N	PT
LAWRENCEBURG	N4EQT	448.325	443.325 *	B
LEWISPORT	KN4KQ	449.550	444.550 *	ALR
LEXINGTON	KE4OOL	448.025	443.025 N	PROPOSED
LEXINGTON	KC4ZY	449.725	444.725 N	RP
LEXINGTON	WD4EJA	449.950	444.950 N	
LOUISVILLE	N4ORL	447.000	442.000 N	RP
LOUISVILLE	KB4RYM	447.500	442.500 N	C
LOUISVILLE	WD4ELX	447.550	442.550 N	B
LOUISVILLE	KB4YJ	447.725	442.725 N	BET151.4
LOUISVILLE	WD4ELX	448.450	443.450 N	LR
LOUISVILLE	WD9EQC	448.500	443.500 N	
LOUISVILLE	N4UL	449.100	444.100 *	ABELRT173.8
LOUISVILLE	WB4ZZD	449.300	444.300 N	O
LOUISVILLE	W4MOP	449.500	444.500 N	P
LOUISVILLE	N4NMC	449.600	444.600 *	BEPT151.4
LOUISVILLE AREA	N4RBL	447.100	442.100 *	BPT151.4
LOUISVILLE AREA	KD4CLR	447.450	442.450 N	ABT151.4
MADISONVILLE	KC4FIE	447.425	442.425 N	
MADISONVILLE	KC4FIE	447.775	442.775 N	B
MADISONVILLE	KC4FIE	449.600	444.600 N	P
MARION	KR4PF	449.200	444.200 *	
MAYSVILLE	N4TZV	448.500	443.500 N	
META	WB4UBY	448.500	443.500 N	
MIDDLESBORO	AA8NA	447.325	442.325 N	T67.0
MIDDLESBORO	WB4IVB	449.150	444.150 *	PROPOSED
MONTICELLO	WB9SHH	449.750	444.750 *	PROPOSED
MOREHEAD	K4GFY	447.500	442.500 N	PROPOSED
MT STERLING	KD4ADJ	447.600	442.600 *	P
NEBO	AA4NI	449.850	444.850 *	C
NICHOLASVILLE	KC4UPE	449.775	444.775 *	PROPOSED
NICHOLASVILLE	WB4CWF	449.975	444.975 N	CR
OLIVE HILL	KO4LI	449.925	444.925 N	A
PHELPS	N4MVY	449.575	444.575 *	
PIKEVILLE	KD4DAR	449.375	444.375 *	
PIKEVILLE	AD4BI	449.475	444.475 *	BR
PRESTONSBURG	WB4TRS	449.200	444.200 *	BR
ROBINSON CREEK	KC4VYX	449.675	444.675 *	B
SALEM	KC4VXR	449.825	444.825 *	T100.0
SALVISA	KC4UPE	449.875	444.875 *	BPT167.9
SALYERSVILLE	KE4NLL	449.050	444.050 N	PROPOSED
SPRINGFIELD	WA4SJH	444.600	449.600 N	
STANTON	N4VOS	447.075	442.075 N	CRP
VERSAILLES	AD4CR	448.775	443.775 N	P
WALTON	K4CO	449.350	444.350 *	A

ATV REPEATERS

BOWLING GREEN	W4HTB	439.250	922.250 *	OV
BOWLING GREEN	W4HTB	439.250	426.250 *	V
BOWLING GREEN	W4HTB	439.250	280.000 *	V
ELIZABETHTOWN	WB4BEJ	439.250	421.250 *	V

MISSISSIPPI REPEATERS

10 METERS

#BYHALIA	N4DRL	29.580	29.680 N	UNCOORD.
POPLARVILLE	WA5WRE	29.520	29.620 *	

6 METERS

BYHALIA	N4DRL	52.270	53.270 N	PROPOSED
ELLISVILLE	N5EKR	52.010	53.010 *	

2 METERS

ABERDEEN	WB5USN	147.870	147.270 N	A
ACKERMAN	NO5N	147.720	147.120 N	
AMORY	KB5DWX	146.340	146.940 *	LT192.8
AMORY	KB5DSN	147.690	147.090 N	
#BAY ST LOUIS	KB5MPW	147.900	147.300 N	UNCOORD.
BAY ST. LOUIS	K5GY	146.100	146.700 N	
BAY ST. LOUIS	K0VNO	146.250	146.850 N	
BILOXI	KC5IF	146.130	146.730 *	AEP
BILOXI	K5TYP	146.190	146.790 N	AB
BOONEVILLE	WB5UVT	144.590	145.190 N	AB
BUDE	K5JMD	146.250	146.850 N	T100.0
BYHALIA	N4DRL	144.730	145.330 N	PROPOSED
BYHALIA	N4DRL	147.825	147.225 N	
CHATAWA	WB5GOJ	144.710	145.310 N	PR
COLLINS	N5LRQ	146.385	146.985 N	
COLUMBIA	N5SPF	147.885	147.285 N	
COLUMBUS	KA5LVU	144.830	145.430 N	A
COLUMBUS	KA5GOU	147.600	147.000 N	A
CORINTH	KA5RPB	144.790	145.390 N	A
CORINTH	WB5VOJ	146.325	146.925 N	
CORINTH	K5UFH	146.400	147.000 N	
CORINTH	KB5TGA	147.885	147.285 N	ABLR
D'IBERVILLE	KC5IF	144.810	145.410 *	APER
D'IBERVILLE	W5OXA	147.825	147.225 *	L
ELLISVILLE	N5EKR	146.355	146.955 *	
ELLISVILLE	N5DWU	147.465	146.865 *	BLT136.5
ELLISVILLE	N5DWU	147.495	146.895 *	LRT136.5
FOREST	AB5SO	147.990	147.390 *	BPT100.0
FULTON	N5VGK	144.890	145.490 N	A
GREENVILLE	WA5MBA	146.220	146.820 N	A
GREENVILLE	KG5SF	147.945	147.345 N	PROPOSED
GREENWOOD	KA5TQY	146.115	146.715 N	
GRENADA	WB5LVA	146.100	146.700 N	
GULFPORT	KA5CYR	144.730	145.330 *	ABE
GULFPORT	KA5VFU	147.975	147.375 *	L
HATTIESBURG	W5CJR	144.590	145.190 *	O
HATTIESBURG	KA5NNX	144.770	145.370 N	
HATTIESBURG	WB5TJK	146.175	146.775 N	PROPOSED
HATTIESBURG	W5CJR	147.960	147.360 *	
HERNANDO	K5VV	146.310	146.910 N	A
ISOLA	KC5OB	146.355	146.955 N	
IUKA	WB5MFK	146.250	146.850 N	A
JACKSON	KB5KGE	144.790	145.390 N	PROPOSED
JACKSON	W5AXQ	146.160	146.760 *	
JACKSON	K5QNE	146.280	146.880 *	ABET100.0
JACKSON	KA5SBK	146.340	146.940 N	BET100.0
JACKSON	NC5Y	147.675	147.075 N	AT
JACNITO	WB5HKK	147.750	147.150 N	A
KOSCIUSKO	W5LWC	146.250	146.850 N	
LAUREL	KB5RQL	146.010	146.610 *	BEP
LAUREL	WV5D	146.430	147.030 N	
LAUREL	KC5RC	147.855	147.255 N	
LOUISVILLE	KB5PKU	147.960	147.360 *	AB
MADISON	N5NIL	146.040	146.640 *	
MAGEE	K5HYE	146.220	146.820 *	B
MAGEE	KA5LNY	147.900	147.300 *	BE
MCCOMB	K5JMD	146.340	146.940 N	B
MCHENRY	KA5CYR	147.930	147.330 *	B
MENDENHALL	K5HYE	144.510	145.110 *	B
MERIDIAN	N5DWU	144.810	145.410 *	PROPOSED
MERIDIAN	W5DEJ	146.100	146.700 *	A
MONTICELLO	N5JHK	147.615	147.015 N	AB
MOOREVILLE	WB5NAY	146.040	146.640 N	A
NATCHEZ	W5KHB	146.085	146.685 N	
NATCHEZ	K5OCM	146.310	146.910 N	A
NATCHEZ	K5SVC	147.960	147.360 N	B
NEW ALBANY	N5CAX	146.070	146.670 N	AB
NEW HEBRON	N5MRS	147.690	147.090 N	AEATLRB
OCEAN SPRINGS	W5LDD	147.630	147.030 *	AB
OLIVE BRANCH	KA5WMH	144.750	145.350 N	O
OXFORD	NU5O	144.870	145.470 *	
PASCAGOULA	W5WA	144.510	145.110 *	AET
PASCAGOULA	N5AAY	146.280	146.880 N	A
PASCAGOULA	KI5ZH	146.370	146.970 N	
PEARL/RANKIN CO	KF5IZ	147.750	147.150 N	ABET88.5
PETAL	N5DWU	144.570	145.170 *	PROPOSED
PHILADELPHIA	N5EPP	147.930	147.330 N	
PICAYUNE	K5LFP	144.550	145.150 N	A
POLKVILLE	KB5LCL	147.645	147.045 N	BLT141.3
PONTOTOC	WB5NAY	147.980	147.380 N	NB
POPLARVILLE	WA5WRE	144.610	145.210 *	A
PORT GIBSON	KE5WO	146.025	146.625 N	
PURVIS	KB5ZCX	146.070	146.670 N	PROPOSED
RICHTON	N5DWU	144.890	145.490 *	PROPOSED
RICHTON	N5OCF	147.660	147.060 *	
ROSE HILL	N5LRQ	144.530	145.130 N	PROPOSED
SENATOBIA	KB5DMT	146.385	146.985 N	
SHARON	N5RMZ	144.850	145.450 N	B
SOSO	KB5UIX	147.735	147.135 N	PROPOSED
SOUTHAVEN	N5PYQ	144.770	145.370 N	BET107.2
STARKVILLE	W5VZF	146.130	146.730 *	
STARKVILLE	KF5C	146.205	146.805 N	P
SUMRALL	KA5FYW	147.795	147.195 N	
TUPELO	N5ELS	147.840	147.240 N	A
UNION	N5SPJ	147.810	147.210 N	ABEPRT100.0
UTICA	N5ZMZ	144.750	145.350 *	
UTICA	N5ZMZ	147.945	147.345 *	C
VICKSBURG	WJ5L	144.690	145.290 N	
VICKSBURG	KJ5OB	146.205	146.805 N	
VICKSBURG	WB5YKR	147.870	147.270 *	BEPT100.0
VOSSBURG	N5DWU	144.870	145.470 *	PROPOSED
WALLS	N5NBG	144.670	145.270 *	PT162.2
WATER VALLEY	WB5QFX	146.400	147.000 N	
WAYNESBORO	KI5WK	146.325	146.925 *	LRT136.5
WAYNESBORO	KB5SAR	147.705	147.105 N	PROPOSED
WEST POINT	KO5S	146.190	146.790 N	A
WIGGINS	KB5DZJ	144.670	145.270 *	BP
WINONA	N5DHS	146.370	146.970 N	A

220 MHZ

ACKERMAN	NM5D	223.180	224.780 N	
ACKERMAN	NM5D	223.220	224.820 N	
BAY ST. LOUIS	K0VNO	223.280	224.880 N	
BILOXI	K5TYP	222.900	224.500 N	
BYHALIA	N4DRL	222.900	224.500 N	PROPOSED
CORINTH	KA5RPB	222.920	224.520 N	
ELLISVILLE	N5EKR	222.800	224.400 *	PROPOSED
HATTIESBURG	W5CJR	223.140	224.740 *	O
PONTOTOC	KE5ST	223.300	224.900 N	
VICKSBURG	WB5OWY	223.180	224.780 *	

SERA REPEATER SYMBOLS

* Full Member Supporter	M T-MARC Territory Repeater
D Deliquent Membership	NB Not on SERA Freq. Plan
N Non-Member of SERA	O Off the Air Temporarily
A Autopatch (Open)	P Private Autopatch
B Emergency Power	R Remote Base System
C Under Construction	T Tone Accessed
E Emergency Autopatch	V Television (SSTV/ATV)
K Packet Operation	Y RTTY Operation
L Linked Repeater	

NOTE: Some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but it does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K". For tone-accessed repeaters, the codes column contains the tone or access code only for those repeaters which the owner or trustee has given us written permission to publish.

Entries with "#" in front of the city indicate repeaters added to this index that have not been coordinated through the local SERA state coordinator. Please work with your coordinator to get this indicator removed.

Repeater frequencies which have been coordinated but may not yet be on the air are listed with "PROPOSED" showing in the codes column.

More Mississippi Repeaters . . .

440 MHZ

ACKERMAN	. . .NM5D	448.650	443.650	N
ACKERMAN	. . .NM5D	449.900	444.900	N
AMORY	. . . .KB5DSN	449.825	444.825	N
BILOXI	. . . . .W5OXA	449.950	444.950	N PROPOSED
BYHALIA	. . . . .N4DRL	449.300	444.300	N PROPOSED
CLERMONT HARBOR	WD5BJT	449.150	444.150	N AL
CLINTON	. . .KG5YV	449.000	444.000	* T100.0
COLUMBUS	. . .KB5ZZC	449.325	444.325	N PROPOSED
ELLISVILLE	. . .N5DWU	447.200	442.200	* CBPT167.9
ELLISVILLE	. . .N5DWU	447.250	442.250	* CBLT167.9
ELLISVILLE	. . .N5DWU	447.325	442.325	* PROPOSED
#GREENVILLE	. . .AB5PR	449.675	444.675	N UNCOORD.
GULFPORT	. . .KA5CYR	449.250	444.250	* ABE
HATTIESBURG	. . .W5CJR	448.700	443.700	*
HAZLEHURST	. . .N5ZDF	448.950	443.950	N PROPOSED
HEIDELBERG	. . .KC5RC	449.300	444.300	N B
HELENA	. . . . .N4KMH	448.450	443.450	N PROPOSED
HICKORY FLAT	. . .W4ZOD	449.725	444.725	*
HORN LAKE	. . .KE5ST	449.650	444.650	N
INDIANOLA	. . .AB5DU	449.850	444.850	N
JACKSON	. . .KB5KGE	449.325	444.325	N
JACKSON	. . .KB5LCL	449.450	444.450	N RPT141.3
JACKSON	. . .KB5CO	449.600	444.600	* T100.0
JACKSON	. . . .NC5Y	449.700	444.700	N
JACKSON	. . . .KB5CO	449.800	444.800	N
JACKSON, EAST	. . .AA5RZ	448.625	443.625	N
LAUREL	. . . . .AJ0X	448.500	443.500	* ABEKR
MCCOMB	. . . .N5HTQ	449.875	444.875	N T100.0
MCHENRY	. . .KA5CYR	449.750	444.750	* B
MENDENHALL	. . .K5HYE	448.600	443.600	* B
NATCHEZ	. . . .N5IAT	448.800	443.800	N A
NEW ALBANY	. . .WB5YCR	449.150	444.150	N O
NEW HEBRON	. . .N5MRS	449.525	444.525	N A
PEARL	. . . . .KB5HAV	449.375	444.375	N ABT88.5
PETAL	. . . . .N5VEI	448.350	443.350	* BRP
POPLARVILLE	. . .WA5WRE	449.850	444.850	*
RICHTON	. . . .N5OCF	449.625	444.625	* RP
ROSE HILL	. . . .KB5ZCX	447.875	442.875	N PROPOSED
SOUTHAVEN	. . .N5PYQ	449.925	444.925	N BT107.2
STARKVILLE	. . .W5VZF	449.750	444.750	* PR
STENNIS SPACE CE	WB4FUR	449.650	444.650	N PROPOSED
VICKSBURG	. . .WB5TTE	449.925	444.925	* ABR
VOSSBURG	. . . .N5LRQ	447.725	442.725	N PROPOSED
WALLS	. . . . .N5NBG	449.650	444.650	*
WAYNESBORO	. . .KB5SAR	448.550	443.550	N PROPOSED
WAYNESBORO	. . .N5DWU	448.900	443.900	* PROPOSED
WIGGINS	. . .KB5DZJ	448.300	443.300	* OB

ATV REPEATERS

GAUTIER	. . . .KA5NOJ	439.250	911.250	N V
GAUTIER	. . . .KA5NOJ	439.250	426.250	N V
STENNIS SPACE CE	WB4FUR	439.250	421.250	N PROPOSED

NORTH CAROLINA REPEATERS

10 METERS

BALD CREEK	. . .N1BEC	29.560	29.660	N
NEWPORT	. . .K4GRW	29.560	29.660	N PROPOSED
THOMASVILLE	. . .K4AZA	29.580	29.680	* L
WENDELL	. . . .WB4IUY	29.520	29.620	* BL
WILKESBORO	. . .KC4XE	29.520	29.620	* L
WILSON	. . . . .WD4IDA	29.540	29.640	* C

6 METERS

ASHEVILLE	. . . .N4OOC	52.470	53.470	N PROPOSED
BALD CREEK	. . .N1BEC	52.030	53.030	N
BOONE/RICH MTN	WA4PXV	52.050	53.050	* BLR
CHAPEL HILL	. . .KK4PH	52.310	53.310	N PROPOSED
CHAPEL HILL	. . .KZ1X	52.450	53.450	N PROPOSED
#CLINTON	. . . .N4ZHC	52.330	53.330	* UNCOORD.
CLINTON	. . . .N4ZHC	52.330	53.330	N PROPOSED
GASTONIA/CROWDER	N4XTF	52.110	53.110	N ABELR
HENDERSONVILLE	WA4FOT	52.130	53.130	* C
MARS HILL	. . . .WB4PLA	52.090	53.090	* O
MARSHALL	. . .KD4GEU	52.270	53.270	N PROPOSED
MOUNT AIRY	. . .KD4FWS	52.070	53.070	N BEPT100.0
NEWPORT	. . .K4GRW	52.010	53.010	N PROPOSED
#PITTSBORO	. . .KD4JFN	52.230	53.230	* UNCOORD.
RALEIGH	. . . .WA4PEN	52.030	53.030	N O
RALEIGH	. . . .WA4PEN	52.250	53.250	N B
SAURATOWN MT	. . .N4QLX	52.210	53.210	N
STATESVILLE	. . .WA4WRS	52.670	53.670	N C
THOMASVILLE	. . .K4AZA	52.170	53.170	* L
THOMASVILLE	. . .K4AZA	52.525	52.525	* R
WENDELL	. . . .WB4IUY	52.070	53.070	* PROPOSED
YOUNGSVILLE	. . .KD4MYE	52.370	53.370	* AE

2 METERS

AHOSKIE	. . . .WB4YNF	144.530	145.130	N A
AHOSKIE	. . . .WA4ZGQ	146.310	146.910	* P
ALBEMARLE	. . . .K4OGB	146.385	146.985	* A
ANDREWS/ROBBINSV	K4AIH	146.445	147.045	* BELPT151.4
ANDSN MT/DENVER	KD4MMB	144.570	145.170	*
AQUADALE	. . .WA4CHZ	147.990	147.390	* A
ASHEBORO	. . .KJ4AV	147.855	147.255	N PL
#ASHEVILLE	. . .WB4PLA	146.235	146.835	* UNCOORD.
ASHEVILLE/FLATTP	.N4OOC	147.780	147.180	N PROPOSED
ASHVL/MT PISGAH	.WA4BVW	146.160	146.760	* TB151.4
ASHVL/SPIVEY MT	.W4MOE	146.310	146.910	* AB
BAKERSVILLE	. . .KC4WPM	144.710	145.310	* ABE
BALD CREEK	. . .N1BEC	147.645	147.045	N
BEULAVILLE	. . .N4VBH	144.630	145.230	* BP
BOONE/DYER HILL	.N4WET	147.705	147.105	N
BOONE/RICH MTN	.WA4KDB	147.960	147.360	* ABEL
BREVARD	. . .K4GBH	147.735	147.135	* P
BROADWAY	. . .KM4OX	147.705	147.105	N
BURGAW	. . .W4DLH	146.340	146.940	*
BURLINGTON	. . .K4FHB	146.070	146.670	* AB
BURLINGTON	. . .KD4JFN	147.675	147.075	* ABERT107.2
BURNSVILLE	. . .KD4WAR	146.355	146.955	N PROPOSED
BURNSVILLE	. . .KD4WAR	147.975	147.375	N ABE
BUXTON	. . . .N4AAY	144.550	145.150	N
CANTON	. . .KC4ZZC	147.405	146.805	*
CARTHAGE	. . .W2SE	147.840	147.240	* BP
CASTORIA	. . .KM4OX	147.795	147.195	N PROPOSED
CHARLOTTE	. . .W4BFB	144.630	145.230	N
CHARLOTTE	. . .W4BFB	144.690	145.290	N A
CHARLOTTE	. . .WA4AOS	144.750	145.350	N L
CHARLOTTE	. . .W4BFB	146.340	146.940	N A
CHARLOTTE	. . .W4CQ	146.460	147.060	* ABE
CHARLOTTE	. . .W4CQ	147.870	147.270	* PROPOSED
CHARLOTTE	. . .WD4PLY	147.990	147.390	N P
CHERRY MT	. . .WA4BKU	146.070	146.670	N O
CHERRYVILLE	. . .K4JTX	144.510	145.110	*
CLAYTON	. . .KO4XC	144.690	145.290	* BPT
CLAYTON	. . .WB4IUY	147.990	147.390	* ABELT88.5
CLINTON	. . .K4OAR	146.190	146.790	* BEPT131.8
COLUMBIA	. . .KB4TOH	144.510	145.110	* ABEL
CONCORD/KANNAP	.K4CEB	146.055	146.655	* PB
CROWDERS MT/GAST	WD4PLY	144.850	145.450	N
DUNN	. . . . .N4CID	146.100	146.700	* P
DURHAM	. . . .WA4WTX	144.850	145.450	N AL
DURHAM	. . . .WD4LDB	147.960	147.360	* ABE
EDEN/STONEVILLE	WA4QBG	147.990	147.390	N
ELIZABETH CITY	. . .WA4VTX	146.055	146.655	N A
FARMVILLE	. . . .K4ROK	144.670	145.270	* ABT
FAYETTEVILLE	. . .N4EWG	146.205	146.805	N
FAYETTEVILLE	. . .WA4FLR	146.445	147.045	N Y
FAYVLLE/CFARS	. . .WB4YZF	146.310	146.910	* P
FAYVLLE/FT BRAGG	W4LPL	147.930	147.330	*
FOREST CITY	. . .K4PBG	147.840	147.240	* AT123.0
FRANKLIN	. . . .NT4K	144.890	145.490	N
FRANKLIN	. . . .W4GHZ	147.840	147.240	* T151.4
GASTONIA/CROWDER	N0IZF	146.205	146.805	N ABELR
#GASTONIA/SPCR	MW4REW	147.720	147.120	* UNCOORD.
GIBSONVILLE	. . .AC4DZ	144.890	145.490	* ART107.2
GOLDSBORO	. . .K4CYP	146.250	146.850	* PT
GREENSBORO	. . .KC4SJE	144.650	145.250	N BEP
GREENSBORO	. . .N4GGD	144.690	145.290	N RP
GREENSBORO	. . .N4QAA	144.710	145.310	N AER
GREENSBORO	. . .K4SNI	146.010	146.610	N A
GREENSBORO	. . .N4GGD	146.160	146.760	N BEPR
GREENSBORO	. . .W4GG	147.630	147.030	* PL
GREENSBORO	. . .W4BUZ	147.810	147.210	N B
GREENVILLE	. . .WD4JPQ	144.750	145.350	* ABEL
GREENVL/ESTN NC	W4GDF	147.690	147.090	*
GRIFTON	. . . .W4NBR	146.085	146.685	*
HENDERSONVILLE	WB4YAO	146.040	146.640	* BLP
HENDERSONVILLE	WA4KNI	147.705	147.105	* A
HENDSVL/BERWLW M	WA4KNI	144.670	145.270	* A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	* A
HICKORY/BRT. MT.	.WA4MDW	146.250	146.850	N
HIGH PEAK MTN	. . .K4OLC	144.610	145.210	* BL
HIGH POINT	. . .N4XO	144.810	145.410	N A
HIGH POINT	. . .N4NNR	147.435	146.835	* PL
HIGH POINT	. . .KB4MFP	147.765	147.165	* BP
HILLSBOROUGH	. . .WA4WTX	147.825	147.225	N AL
JACKSONVILLE	. . .KA4SQN	144.590	145.190	* B
JACKSONVILLE	. . .WD4FVO	146.400	147.000	* ABE
#JEFFERSON	. . .KK4X	147.900	147.300	* UNCOORD.
KANNAPOLIS	. . .N4JEX	147.900	147.300	* PROPOSED
KINSTON	. . . .W4OIX	144.870	145.470	* A
LAURINBURG	. . .KI4RR	146.025	146.625	* BEP
LELAND	. . . . .N4CTJ	144.570	145.170	N A
LENOIR	. . . .N4NIN	147.795	147.195	* A
LENOIR/HIBRITN	. . .KN4K	147.930	147.330	*
LEXINGTON	. . .K4IZM	146.310	146.910	* BEP
LUMBER BRIDGE	. . .W4PET	144.830	145.430	* PROPOSED
#LUMBERTON	. . .W4NHV	144.550	145.150	* UNCOORD.
LUMBERTON	. . .KD4PBK	147.765	147.165	* P
LUMBERTON	. . .W4PET	147.960	147.360	* BP
MACO	. . . . .WA4LED	147.660	147.060	* BEP
MADISON	. . . .KA4YFF	146.295	146.895	N
MADISON	. . . .KC4YRH	147.945	147.345	N PROPOSED
MANTEO/WANCHESE	KC4VM	146.340	146.940	* ALE
MARION	. . .WD4PVE	146.385	146.985	N A
MIDWAY	. . .KM4AR	144.670	145.270	*
MILLERS CREEK	. . .N4GGN	146.115	146.715	* A
MONROE	. . .K4JCK	147.705	147.105	N O
MONROE/UCARS	. . .AB4DG	144.790	145.390	* BEP
MORG WALKER TOP	N4OOC	147.825	147.225	N ABL
MORGANTON	. . .K4VLY	147.750	147.150	*
MOUNT AIRY	. . .KD4J	144.730	145.330	* A
MOUNT AIRY	. . .AC4NZ	146.340	146.940	N T100.0
MOUNT AIRY	. . .N4XRY	146.370	146.970	* EP
MT MITCHELL	. . .WA4BVW	144.590	145.190	* B
MURPHY/STALCUP	WD8LYN	147.465	146.865	* BT151.4
N. WILKESBORO	. . .N4AGN	144.770	145.370	* P
NAGS HEAD/BODIE	K4UOR	146.235	146.835	* AE
NEW BERN	. . .WD4JMS	146.010	146.610	* AL
NEWPORT	. . .K4GRW	144.850	145.450	N A
NEWTON	. . .AG4L	147.675	147.075	* ABERT71.9
OXFORD	. . .AC4UO	144.570	145.170	N P
OXFORD	. . .WA4MII	144.770	145.370	*
PIKEVILLE	. . .KK4YP	144.730	145.330	*
#PITTSBORO	. . .KD4JFN	147.975	147.375	* UNCOORD
RALEIGH	. . .W4ATC	144.530	145.130	N
RALEIGH	. . .N4BQF	144.670	145.270	N PL
RALEIGH	. . .K4BWC	144.890	145.490	* BY
RALEIGH	. . .W4DW	146.040	146.640	* ABE
RALEIGH	. . .K4BWC	146.130	146.730	* PB
#RALEIGH	. . .WA4SIS	146.175	147.775	* UNCOORD
RALEIGH	. . .WB4TQD	146.280	146.880	* L
RALEIGH	. . .KD4MYE	147.615	147.015	* BEP
RALEIGH	. . .WB4TQD	147.750	147.150	* P
RALEIGH BENSON	AK4H	147.870	147.270	* BEP
RANDLEMAN/GBO	WD4CVM	144.550	145.150	N L
RED SPRINGS	. . .W4MZP	147.900	147.300	* BP
REIDSVILLE	. . .WA4NNC	146.250	146.850	* L
RESEARCH TRI PK	.KD4IHW	144.630	145.230	* PROPOSED
ROANOKE RAPIDS	AA4SJ	147.630	147.030	* BP
ROARING GAP	. . .WB4PZA	146.220	146.820	*
ROCKINGHAM	. . .WD4AVP	146.355	146.955	* ABE
ROCKY MOUNT	. . .WN4Z	147.720	147.120	* PE
ROSEBORO	. . .KM4OX	144.790	145.390	N
SALISBURY	. . .W4EXU	146.130	146.730	* ELR
SANFORD	. . .WB4EJJ	147.780	147.180	N A
SAURATOWN MT	. . .W4RXG	144.510	145.110	* OY
SAURATOWN MT	. . .W4NC	144.870	145.470	* B
SAURATOWN MT	. . .KK4AT	146.190	146.790	* EPRT107.2
SAURATOWN MT	. . .K4JYH	147.915	147.315	* BPRT100.0
SHALLOTTE	. . .K4PPD	144.770	145.370	* PE
SHALLOTTE	. . .K4PPD	147.915	147.315	* BEP
SHALLOTTE	. . .N4FAU	147.990	147.390	* BEP
SHELBY	. . . . .W4NYR	146.280	146.880	N
SHELBY	. . . . .W4NYR	147.945	147.345	N P
SMITHFIELD	. . .KD4JQ	146.370	146.970	N A
SOUTHPORT	. . .K4JYH	146.175	146.775	* BP
SPARTA/GREEN MT	K4ITL	144.830	145.430	N L
SPRING LAKE	. . .WB4KDC	146.115	146.715	N
STATESVILLE	. . .WA1EHL	146.085	146.685	* PE
STATSVL/ASBRY MT	WA1EHL	147.645	147.045	* Y
SWANSBORO	. . .KO4S	146.160	146.760	N A
TABOR CITY	. . .W4DCD	147.975	147.375	N ALR
THOMASVILLE	. . .K4AZA	146.400	147.000	* LA
TRENTON	. . . .WB4TQD	144.610	145.210	* L
TUCKASEGEE	. . .KA4YGX	147.900	147.300	N
WADESBORO	. . .W4USH	146.235	146.835	* A
WASHINGTON	. . .WA4TEP	147.945	147.345	* A
WAXHAW	. . . .WA4ZRS	147.465	146.865	* BEP
WAYNESVILLE	. . .N4SM	147.870	147.270	* A
WHITEVILLE	. . .W4NTQ	147.810	147.210	* AEL
WILLIAMSTON	. . .KA4KNU	144.810	145.410	* ABL
WILMINGTON	. . .AD4DN	146.070	146.670	*
WILMINGTON	. . .W4VNK	146.130	146.730	* AB
WILMINGTON	. . .K4GMP	146.220	146.820	* BLT88.5
WILMINGTON	. . .KM4GN	147.735	147.135	*
WILMINGTON	. . .N4CTJ	147.780	147.180	N AL
WILSON	. . . . .WB4THL	146.160	146.760	* AB
WILSON	. . . . .WA4UQC	147.900	147.300	* ABELRT88.5
WINSTON-SALEM	. . .W4NC	146.040	146.640	* ABL
YADKINVILLE	. . .N4YSB	146.415	147.015	* BP
YOUNGSVILLE	. . .KD4MYE	144.510	145.110	* ABE

220 MHZ

ANDREWS/ROBBINSV	K4AIH	223.280	224.880	* BLT
ASHEVILLE	. . . .WB4PLA	223.000	224.600	*
ASHVL/MT PISGAH	.WA4BVW	222.660	224.260	* B
BALD CREEK	. . .N1BEC	222.520	224.120	N
CANTON	. . . .N4DWU	223.220	224.820	* BP
CHARLOTTE	. . .W4BFB	222.800	224.400	N
CHERRYVILLE	. . .K4JTX	223.360	224.960	* P
EDEN	. . . . .WA4WGY	223.180	224.780	* ABELR
FAYETTEVILLE	. . .W4EHF	222.960	224.560	N L
GOLDSBORO	. . .AA3CH	223.360	224.960	N ELPT156.7
GREENSBORO	.WB4WOR	222.540	224.140	* K
GREENSBORO	.WB4GUG	222.840	224.440	* T107.2
GREENSBORO	.AD4BX	223.220	224.820	* AR
GREENSBORO	. . .N4QVI	223.360	224.960	N PROPOSED
GRIFTON	. . . .WA4DAN	223.240	224.840	* BL
GRIMESLAND	. . .WB4PAC	222.760	224.360	*
HAW RIVER	. . .KD4JFN	223.300	224.900	* PROPOSED
HENDERSONVILLE	N4UQS	223.360	224.960	N
HENDSVL/BERWLW M	WA4KNI	222.640	224.240	*
HILLSBOROUGH	WA4WTX	222.660	224.260	N L
JACKSONVILLE	. . .KA4SQN	222.720	224.320	* C
LENOIR/HIBRITN	. . .KN4K	222.560	224.160	*
LOCUST	. . . .WA4ZIA	222.880	224.480	* PL
MARS HILL	. . . .WB4PLA	223.060	224.660	* L
MARSHALL	. . .KA4TYO	222.760	224.360	N T
MORGANTON	. . .WB4PML	223.200	224.800	N
MT MITCHELL	. . .WA4BVW	222.940	224.540	* B
OXFORD	. . . .AC4UO	223.140	224.740	N
RALEIGH	. . . .WA4PEN	223.040	224.640	N OLP
RALEIGH	. . . .W1IFL	223.320	224.920	N C

More South Carolina Repeaters

ROCKY MOUNT	.NF4C	222.620 224.220 *	AR
ROCKY MOUNT	.KR4AA	222.980 224.580 *	
SALISBURY	.W4EXU	223.160 224.760 *	L
SAURATOWN MT	.WA4RQF	222.980 224.580 *	
SAURATOWN MT	W4RXG	223.100 224.700 *	OY
SAURATOWN MT	W4RXG	223.280 224.880 *	O
SHELBY	W4NYR	222.460 224.060 N	
SHELBY	KC4ZTJ	222.860 224.460 *	P
STATESVILLE	WA4PVI	222.700 224.300 N	
SUNSET BEACH	AC4AM	223.060 224.660 *	A
THOMASVILLE	.K4AZA	222.740 224.340 *	LA
TRENTON	WA4DAN	223.120 224.720 *	B
WENDELL	KD4WJD	223.200 224.800 N	BP
WILMINGTON	.KM4GN	222.600 224.200 *	RPT
WILMINGTON	.K4YNY	222.900 224.500 N	LR
WILMINGTON	WB4KPF	223.080 224.680 N	
WINSTON-SALEM	WA4RQF	223.040 224.640 *	RP

440 MHZ

AHOSKIE	WB4YNF	449.200 444.200 N	T
ANDREWS/ROBBINSV	K4AIH	448.650 443.650 *	BLT
APEX	WB4IUV	447.200 442.200 *	PROPOSED
APEX/RALEIGH	W4DW	449.950 444.950 *	OA
ARCHDALE	KC4SVQ	448.300 443.300 N	AR
ASHEBORO	WD4ICX	447.325 442.325 N	PROPOSED
ASHEBORO	.KQ4ML	449.975 444.975 *	
ASHEVILLE	KD4GEU	447.650 442.650 N	
ASHEVILLE	N4DWT	449.900 444.900 *	
AUBURN	N4ZCM	447.275 442.275 N	
BAKERSVILLE	.KM4GR	447.750 442.750 *	O
BALD CREEK	N1BEC	449.875 444.875 N	
BLROCK/LENOIR	N4EUX	448.525 443.525 *	B
BOONE	WB4WTC	448.825 443.825 N	PROPOSED
BOONE/RICH MTN	WA4PXV	448.575 443.575 *	BLR
BOSTIC	KC4YOQ	449.125 444.125 *	O
BURLINGTON	AC4DZ	448.025 443.025 *	AT107.2
CHAPEL HILL	KC4JR	447.150 442.150 N	PROPOSED
CHAPEL HILL	KZ1X	448.475 443.475 *	BT131.8
CHARLOTTE	KD4OWV	448.950 443.950 N	
CHARLOTTE	W4CQ	449.450 444.450 *	B
CHARLOTTE	W4BFB	449.600 444.600 N	
CHARLOTTE	KD4IL	449.675 444.675 *	
CHARLOTTE	W4CQ	449.850 444.850 *	B
COLUMBIA	KB4TOH	447.375 442.375 *	PROPOSED
CRAB CREEK TWP	KB4PQA	448.125 443.125 *	BLPR
CROWDERS MTN	KD4FRP	448.675 443.675 N	
DALLAS/CHARLOTTE	WA1WXL	449.950 444.950 *	BLT136.5
DURHAM	WA4WTX	449.100 444.100 N	AL
EDEN	WA4WGY	448.975 443.975 *	L
FAYETTEVILLE	WB4YZF	449.400 444.400 *	
FOREST CITY	KC4YOQ	449.400 444.400 *	B
G'BORO/H POINT	WD4POZ	448.500 443.500 N	ABLRT77.0
GASTONIA/CROWDER	KC4YOT	448.750 443.750 N	ABELR
GASTONIA/CROWDER	N0IZF	449.150 444.150 N	ABELR
GASTONIA/CROWDER	N0IZF	449.750 444.750 N	ABELR
#GASTONIA/SPCR MW	WB4VTE	449.550 444.550 *	UNCOORD.
GIBSONVILLE	AC4DZ	449.350 444.350 *	T107.2
GOLDSBORO	.AA3CH	448.050 443.050 N	ELT156.7
GRAINGERS	WD6GMQ	448.250 443.250 *	T
GRANTSBORO	.KR4LO	449.350 444.350 N	PROPOSED
GREENSBORO	.WG4R	447.725 442.725 *	
GREENSBORO	WB4WOR	449.300 444.300 N	BEP
GREENSBORO	.KD4DNY	449.475 444.475 *	B107.2
GREENVILLE	AI4J	449.800 444.800 *	
#HAMLET	WA4ZIA	448.200 443.200 *	UNCOORD.
HAW RIVER	KD4JFN	448.775 443.775 *	ABERT107.2
HENDSVL/BERWLW M	WA4KNI	449.250 444.250 *	
HICKORY	K4JEQ	449.000 444.000 N	
HIGH POINT	N4LXW	448.700 443.700 N	
HIGH POINT	.KB4JIF	448.900 443.900 *	B
HIGH POINT	.KD4JFN	449.025 444.025 *	AT107.2
JACKSONVILLE	.KA4SQN	449.675 444.675 *	C
KANNAPOLIS	N4JEX	449.250 443.250 *	
KANNAPOLIS	N4JEX	448.350 443.350 *	PROPOSED
KING/SAURATOWN M	WA4RQF	449.775 444.775 *	T103.5
KINSTON	N4HAJ	449.575 444.575 N	BTP88.5
LAKE GASTON	.KF5TU	447.350 442.350 *	PT100.0
LEXINGTON	N4TZD	447.925 442.925 N	PROPOSED
LEXINGTON	WD4ICX	449.500 444.500 N	
LINCOLN/ANDSN MT	WA4YGD	447.350 442.350 *	PROPOSED
LOCUST	WA4LBT	448.700 443.700 *	PL
LUMBERTON	WB4DVN	449.625 444.625 N	B
MCLEANSVILLE	WB4GUG	449.125 444.125 *	T
MIDDLESEX	NE4J	449.650 444.650 N	BL
MORG. WALKER TOP	N4OOC	447.300 442.300 N	ABL
MORGANTON	KC4QZL	448.800 443.800 *	PROPOSED
MOUNT AIRY	N4XRY	449.925 444.925 *	
MT AIRY/FSH PK	KF4UY	449.825 444.825 *	ABLRT100.0
MT MITCHELL	N4DWU	448.600 443.600 *	B
MURPHY	N4USU	447.600 442.600 N	T151.4
NEW BERN	WD4JMS	449.300 444.900 *	B
NEWTON	AG4L	449.075 444.075 N	PROPOSED
OXFORD	AC4UO	449.600 444.600 N	
PIKEVILLE	.KK4YP	448.000 443.000 *	C
PINEY KNOB	KC4KPW	448.875 443.875 *	T123.0
PITTSBORO	WB4MMY	447.550 442.550 *	PT
PITTSBORO	.KD4JFN	449.750 444.750 *	ABERT107.2
POLKVILLE	KC4ZTJ	449.975 444.975 *	P
RALEIGH	.N4LMR	447.450 442.450 N	P
RALEIGH	WA4NNA	448.125 443.125	A
RALEIGH	.N4ZCM	448.225 443.225 N	BPT
RALEIGH	W1IFL	448.375 443.375 N	
RALEIGH	WA4PEN	449.525 444.525 N	PL
RALEIGH	W4ATC	449.775 444.775 N	
RALEIGH	KD4RAA	449.875 444.875 *	BEPRT162.2
RATTLESNAKE MTN	KC4IEV	448.300 443.300 *	T123.0
REIDSVILLE	K4YEC	449.800 444.800 *	
RESEARCH TRI PK	KD4IHW	449.675 444.675 *	PROPOSED
RICH SQUARE	KD4ITB	448.400 443.400 *	BEL
ROANOKE RAPIDS	KK4VM	449.550 444.550 N	A
ROARING GAP	KC4XE	448.550 443.550 *	L
ROCKY MOUNT	N4JEH	449.700 444.700 *	BP
ROUGEMONT/RED MT	WA4WTX	448.275 443.275 N	PROPOSED
SALISBURY	W4HG	448.150 443.150 N	ABT
SALISBURY	.K0SD	449.575 444.575 N	A
SALISBURY	N4MME	449.650 444.650 *	AT
#SANFORD	W4RNR	447.375 442.375 *	UNCOORD.
SAURATOWN MT	.N4GGC	448.100 443.100 *	L
SAURATOWN MT	WB4GUG	448.400 443.400 *	T107.2
SELMA	.KK4YP	449.000 444.000 *	BP
#SOPHIA/RANDLEMA	.KA4YMY	448.825 443.825 *	UNCOORD
#SPARTA/GREEN MT	WB4TQD	447.100 442.100 *	UNCOORD.
STATESVILLE	.N4VOZ	448.450 443.450 N	A
SUNSET BEACH	AC4AM	447.625 442.625 *	
TAYLORSVL/BARR MK	4OLC	449.050 444.050 *	BC
THOMASVILLE	.K4AZA	447.900 442.900 *	L
#WAKE FOREST	.KD2LH	448.200 443.200 *	UNCOORD.
WAYNESVILLE	.KE4JMH	449.450 444.450 N	PROPOSED
WENDELL	.KD4WJD	447.400 442.400 *	BPR
WEST JEFFERSON	WA4PXV	447.375 442.375 *	C
WHITAKER MTN	WA4QFV	449.325 444.325 N	B
WILKESBORO	.KE4DGP	447.475 442.475 *	ALT107.2
WILKESBORO	.KE4DGF	449.525 444.525 *	AT107.2
WILLIAMSTON	.KA4KNU	449.300 444.300 *	B
WILMINGTON	.KM4GN	447.200 442.200 *	RPT
WILMINGTON	.K4YNY	447.500 442.500 N	ALR
WILMINGTON	.AD4DN	448.400 443.400 *	C
#WILMINGTON	.KM4GN	448.950 443.950 *	UNCOORD.
WILMINGTON	.KM4GN	449.200 444.200 *	
#WILMINGTON	.KM4GN	449.450 444.450 *	UNCOORD.
#WILMINGTON	.KM4GN	449.650 444.650 *	UNCOORD.
WILMINGTON	.K4GMP	449.850 444.850 *	B
WILSON	WB4IUY	447.300 442.300 *	PROPOSED
WILSON	.NE4J	449.900 444.900 N	BL
WINSTON-SALEM	W4NC	449.275 444.275 *	C
WINSTON-SALEM	N4QDK	449.725 444.725 N	ABRT107.2
YADKINVILLE	.N4AAD	447.800 442.800 *	AT100.0
YANCEYVILLE	.N4VWK	449.225 444.225 N	A
YOUNGSVILLE	.KD4BFI	449.250 444.250 N	

1270 MHZ

#CHARLOTTE	W4PPN	1277.250 1253.250	N UNCOORD.
GASTONIA/CROWDER	N0IZF	1272.820 1292.820	N ABELR
SAURATOWN MTN	.KB4SXY	1271.400 1291.400	* PROPOSED

ATV REPEATERS

CHARLOTTE	W4PPN	439.250 421.250 N	V
#GREENSBORO	.KO4AT	434.000 421.250 *	UNCOORD
#SHELBY	W4NYR	439.250 427.250 N	UNCOORD.

SOUTH CAROLINA REPEATERS

6 METERS

GILBERT	.KC4GYM	52.270 53.270 *	BL
PICKENS	.WB4YXY	52.410 53.410 N	

2 METERS

AIKEN	W4TUN	144.570 145.170 N	A
AIKEN	.N4ADM	147.885 147.285 *	P
ANDERSON	.N4SZ	146.370 146.970 *	BP
ANDERSON/SAS MT	W4FVV	146.190 146.790 *	B
AWENDAW	.K4ESG	147.900 147.300 N	PT103.5
BAMBERG	WA4DFP	144.730 145.330 *	
BARNWELL	WA4FOF	147.630 147.030 *	B
BEAUFORT	.KB4GY	144.710 145.310 *	
BEAUFORT	.KB4RRC	146.055 146.655 *	AB
CANADYS	WB4FOH	144.790 145.390 *	PROPOSED
CHARLESTON	WA4USN	144.650 145.250 *	
CHARLESTON	WA4USN	146.190 146.790 *	
CHARLESTON	.KC4UDD	146.235 146.835 *	ABL
CHARLESTON	.KD4PBC	146.340 146.940 N	BL
CHARLESTON	WB4LET	147.870 147.270 N	PL
CHERAW	KA4ABW	147.735 147.135 N	AE
CHESTER	AC4IP	146.025 146.625 N	CLOSED-T
COLUMBIA	WB4NEP	146.115 146.715 N	P
COLUMBIA	KC4GYM	146.175 146.775 *	BLPT156.7
COLUMBIA	.KD4KAO	147.930 147.330 *	T
COLUMBIA	.N4EOY	147.960 147.360 N	L
DILLON/PEE DEE	.NN4N	146.145 146.745 *	
ELLOREE	KC4WIF	146.010 146.610 N	ABT118.8
FLORENCE	W4ULH	146.250 146.850 N	A
FLORENCE	WA4ISM	146.370 146.970 N	A
FLORENCE	W4PNZ	147.795 147.195 N	B
FORT MILL	.AA4SC	147.780 147.180 N	
GAFFNEY	.KN4RG	144.870 145.470 *	B
GEORGETOWN	WD4JMT	147.975 147.375 *	
GILBERT	.KC4GYM	144.830 145.430 *	BLPT156.7
GREENVILLE	W4IQQ	146.340 146.940 *	T7
GREENVILLE	.K4LEO	147.975 147.375 N	T
GREENWOOD	.K4VIA	147.765 147.165 *	BP107.2
GREENWOOD/HODGES	KB4CS	144.530 145.130 N	
GRNVLE/CSRS HD	W4NYK	146.010 146.610 *	
GRNVLE/PARIS MT	W4NYK	146.220 146.820 *	P
HILTON HEAD	W4ILN	147.840 147.240 *	
INMAN	WD8OXE	144.550 145.150 *	P
LANCASTER	W4PAX	146.100 146.700 *	P
LANCASTER	.AC4VT	147.840 147.240 N	T192.8
LAURENS	.KB4YF	146.265 146.865 N	T107.2
LEESVILLE	.N4HL	147.855 147.255 *	PROPOSED
LEXINGTON	.KE4VD	144.610 145.210 N	PR
LEXINGTON	.KA4FEC	147.990 147.390 *	B
LITTLE MT.	K4AVU	147.810 147.210 N	
LUCKNOW/BISHOPVL	KA4ABW	146.325 146.925 *	PROPOSED
MARION	W4YLT	146.400 147.000 N	E
MONCKS CORNER	WD4NUN	147.750 147.150 *	PROPOSED
MT PLEASANT	K4ESG	146.160 146.760 N	BPT
MYB BCH/BRKSVIL	AC4AM	147.885 147.285 *	AL
MYR BCH/CONWAY	WD4JMT	144.510 145.110 *	BE
MYRTLE BEACH	WD4JMT	147.720 147.120 *	BER
N. AUGUSTA	.K4FKJ	146.130 146.730 *	
N. MYRTLE BEACH	K4HOG	147.630 147.030 *	B
N. SPARTANBURG	.N4UZT	147.915 147.315 *	ABET141.3
NEWBERRY	.KB4CO	146.085 146.685 *	
ORANGEBURG	WM3O	146.205 146.805 N	
ORANGEBURG	.WB4FOH	146.280 146.880 *	ABLT118.8
ORANGEBURG	.KM4RP	147.690 147.090 N	
PAGELAND/HIPOINT	KA4ABW	146.295 146.895 *	ABLR
PICKENS	.WB4YXZ	146.400 147.000 N	
RKY RDG/WALLACE	KA4ABW	144.890 145.490 *	A
ROCK HILL	.AA4PF	144.710 145.310 N	PL
ROCK HILL	.K4YTZ	146.430 147.030 N	P
SANTEE	.W4DTW	147.825 147.225 N	AB
SENECA/LONG MT	WA4JRJ	147.870 147.270 *	BEP
SIMPSONVILLE	.WD4BJY	146.130 146.730 *	
SIMPSONVILLE	.WA4SDT	147.750 147.150 N	Y
SPARTANBURG	.K4JLA	147.690 147.090 *	A
ST. MATTHEWS	.AD4U	146.070 146.670 *	ABLRT131.8
SUMMERTON	.N4LWY	144.550 145.150 N	P
SUMMERVILLE	.WA4HNK	147.780 147.180 *	
SUMTER	WB4KIV	144.530 145.130 N	
SUMTER	.KB4CIH	146.040 146.640 *	
SUMTER	.KQ7E	147.615 147.015 *	BPT156.7
SUMTER/SHAW	.W4VFR	147.660 147.060 N	A
#UNION	KD4YFB	144.650 145.250 *	UNCOORD.
WEST COLUMBIA	KC4GYM	144.670 145.270 *	BLPT156.7
WHITE HALL	W4BWZ	146.310 146.910 *	B
WHITE OAK MTN	WD4MGM	147.885 147.285 N	

220 MHZ

AIKEN	W4TUN	223.360 224.960 N	TA
CHARLESTON	.KA4NRL	222.580 224.180 N	BP
COLUMBIA	.KD4KAO	222.960 224.560 *	T
COLUMBIA	KC4SWI	223.040 224.640 N	BP
COLUMBIA	.N4EOY	223.300 224.900 N	LR
CROSS	KB4VFD	222.980 224.580 *	O
FLORENCE	.N4JJ	223.340 224.940 N	BP
GREENVILLE	W4ILY	222.600 224.200 *	A
GRNVL/DOWNTOWN	W4NYK	223.320 224.920 *	88.5
LITTLE MTN	K4RWN	222.920 224.520 N	PB
ORANGEBURG	.KO4BR	223.180 224.780 N	OBP
PICKENS	WB4QHF	222.800 224.400 *	BP
PICKENS/CSRS HD	WB4QHF	222.540 224.140 *	LR
PICKENS/SASFR MT	KJ4X	222.720 224.320 *	B
#SUMTER	.KB4CIH	222.520 224.120 *	UNCOORD.
SUMTER	.K4GYR	223.260 224.860 *	
SUMTER/SHAW	.W4VFR	223.060 224.660 N	
#WEST COLUMBIA	KC4GYM	222.960 224.560 *	UNCOORD.
WEST SPRINGS	.KN4CW	222.840 224.440 N	BP

440 MHZ

AIKEN	W4TUN	448.400 443.400 N	TA
CHARLESTON	.N4MNH	449.300 444.300 *	AB
CHARLESTON	.KD4PBC	449.950 444.950 N	BL
COLUMBIA	.KC4GYM	447.075 442.075 *	BT167.9
COLUMBIA	.N4EOY	448.000 443.000 N	LR
COWPENS	.KE4EAN	448.625 443.625 *	PROPOSED
EASLEY/SAS MTN	.AC4RZ	449.925 444.925 N	BPT103.5
FLORENCE	.N4JJ	449.000 444.000 N	B
FORT MILL	WB4TWX	448.475 443.475 *	AB
GAFFNEY	.KN4RG	449.800 444.800 *	C
GREENVILLE	.KB4PQA	447.250 442.250 *	BRP
GRNVLE/PARIS MT	.ND4N	448.350 443.350 *	P
LANCASTER	.N4MZL	449.100 444.100 *	OA
LAURENS	.KB4YF	448.775 443.775 N	BT
#LEXINGTON	.KD4KAO	449.350 444.350 *	UNCOORD
LIBERTY	.KB4WCR	449.525 444.525 N	BT
MYB BCH/BRKSVIL	.AC4AM	449.525 444.525 *	
MYR BCH/CONWAY	WD4JMT	449.675 444.675 *	BE
NORTH CHARLESTON	KC4UDD	449.600 444.600 *	AB
ORANGEBURG	WM3O	449.975 444.975 N	AB
PICKENS/CSRS HD	WB4QHF	447.400 442.400 *	T131.8
SUMMERVILLE	KC4OOZ	447.300 442.300 *	BR
SUMMERVILLE	.WA4HNK	448.800 443.800 *	
SUMTER	.KQ7E	449.150 444.150 *	BEPRT123.0
SUMTER	.K4GYR	449.500 444.500 *	P
WEST COLUMBIA	KC4GYM	449.200 444.200 *	BLPT156.7

More South Carolina Repeaters . . .

ATV REPEATERS

GOOSE CREEK	.N4CNN	434.000	421.250	N	PROPOSED
LEXINGTON	. . .N4GUP	439.250	421.250 *		V
SUMTER	. . . .WA4UMU	439.250	423.250	N	V

TENNESSEE REPEATERS

BEACONS

GREENEVILLE	. .WB4NKM	0.000	222.058 *		BEACON

10 METERS

GREENEVILLE	. .WB4NKM	29.540	29.640 *		
JACKSON	. . . .NQ4W	29.540	29.640	N	C
MEMPHIS	. . . .W4ZJM	29.520	29.620	N	BLT*#
UNION CITY	. . . .WA4YGM	29.560	29.660	N	O

6 METERS

CHATTANOOGA	. .WB4LRD	52.010	53.010	N	
COOKEVILLE	. . .WA4UCE	52.190	53.190	N	
GALLATIN	. . . .WD4KWP	52.450	53.450	N	L
GREENEVILLE	. . .WB4NKM	52.010	53.010 *		
GUTHRIE (TN/KY)	. .KA4ZKL	52.230	53.230	N	
KNOXVILLE	. . . .WA4YON	52.250	53.250	N	
KNOXVILLE	. . .KD4JGT	52.550	53.550 *		PROPOSED
KNXVL/ENG MT	. .WB4IOB	52.150	53.150 *		A
MCNAIRY	. . . .NU5O	52.350	53.350 *		ELT107.2
MEMPHIS	. . . .WA4KOG	52.010	53.010	N	
MEMPHIS	. . . .K4RDK	52.550	53.550	N	
MORRISTOWN	. .KD4LP	52.230	53.230	N	
NASHVILLE	. . . .WA4BGK	52.010	53.010 *		T114.8
NASHVILLE	. . . .N4ARK	52.525	145.210	N	BR
OAK RIDGE	. . . .WD4GYN	52.110	53.110	N	
ROAN MTN	. . .KD4PVU	52.310	53.310 *		B

2 METERS

ALAMO	. . . .WB4EDS	147.735	147.135	N	
ALCOA	. . . .N4RYR	146.055	146.655 *		ABE
ANDERSON CTY	. .KB4QGK	146.100	146.700	N	AB
ARNOLD A.F.B.	. . .KC4FV	147.795	147.195	N	PROPOSED
ATHENS	. . . .WA4PNI	144.710	145.310 *		T141.3
BENTON	. . . .K4SIR	144.850	145.450	N	T
BLOUNTVILLE	. . .WA4CBX	147.600	147.000	N	B
BRISTOL	. . . .WB4DKI	146.070	146.670 *		BP
BRISTOL	. . . .WD4CYZ	146.280	146.880	N	
BRISTOL/HLSTN MT	K4LSP	146.160	146.760	N	A
BROWNSVILLE	. .KB4YTU	144.830	145.430	N	PL
BROWNSVILLE	. .KD4AOK	146.055	146.655 *		AB
BRUCETON	. . .NU5O	144.570	145.170 *		BLT107.2
CARTHAGE	. . .N4OTT	144.590	145.190 *		
CHARLESTON	. .KD4LDU	146.460	147.060	N	BEPT141.3
CHATT/SIGNAL MT	. .W4AM	146.055	146.655	N	O
CHATTANOOGA	. .K4CMY	144.530	145.130	N	
CHATTANOOGA	. .K4VCM	144.690	145.290	N	
CHATTANOOGA	. .W4AM	144.790	145.390	N	A
CHATTANOOGA	. .K4CMY	146.010	146.610	N	
CHATTANOOGA	. .W4AM	146.190	146.790	N	A
CLARKSVILLE	. .WD4SGA	147.600	147.000	N	
#CLARKSVILLE	. .AA4TA	147.990	147.390	N	UNCOORD.
CLEVELAND	. . .W4GZX	146.325	146.925 *		PROPOSED
CLEVELAND	. . .KD4NEB	147.705	147.105	N	ABLR
CLEVELAND	. . .WD4DES	147.780	147.180	N	A
COLLEGEDALE	. . .KE4QS	147.600	147.000 *		BP
COLLIERVILLE	. . .NU5O	144.530	145.130 *		BLT107.2
COLUMBIA	. . . .WA4ZYX	147.720	147.120 *		AB
COOKEVILLE	. . .NQ4Y	144.510	145.110	N	ABL
COOKEVILLE	. . .WA4UCE	144.830	145.430	N	A
COOKEVILLE	. . .N4WS	147.810	147.210 *		AER
COVINGTON	. . .WA4KOG	144.850	145.450	N	PR
COVINGTON	. . .WA4VXW	147.930	147.330	N	PLK
CROSSVILLE	. . .AC4AA	146.265	146.865 *		B
CUMBERLAND CITY	WD4DBJ	144.730	145.330 *		
#DANDRIDGE	. .KD4DUS	146.295	146.895 *		UNCOORD.
DAYTON	. . . .K4PHT	144.650	145.250	N	B
DAYTON/RHEA CTY	WA4UEU	147.990	147.390 *		B
DECATUR-PONE KB	W4PJC	144.550	145.150	N	
DICKSON	. . . .KN4HL	147.975	147.375 *		BEP
DOVER	. . . .N4VIH	144.810	145.410 *		
DYERSBURG	. .WB4RCK	146.145	146.745	N	
ERWIN/PINNACLE	. .N4WXS	144.650	145.250 *		ABERPR
ERWIN/UNICOI CO	. .AC4QF	147.765	147.165	N	BP
FAYETTEVILLE	. . .KE4AHW	147.630	147.030 *		BP
FRANKLIN	. . . .W4XS	144.550	145.150 *		
FRUITLAND	. . .NU5O	146.175	146.775 *		BLT107.2
GALLATIN	. . . .N4SSB	144.530	145.130 *		T107.2
GALLATIN	. . . .WD4BKY	147.840	147.240 *		BLT114.8
GALLATIN	. . . .WA4YQC	147.870	147.270 *		BLPT114.8
GERMANTOWN	. .KA4ATI	147.690	147.090	N	
GOODLETTSVILLE	. .KC4PRD	146.385	146.985	N	PROPOSED
GRAND JUNCTION	. .N4DRL	147.630	147.030	N	
GRANDJUNCTION	. .N4DRL	146.430	147.030	N	
GRAY	. . . .WD4SBX	144.510	145.110	N	T103.5
GREENBRIER	. . .WC4E	147.675	147.075	N	BT107.2
GREENEVILLE	. . .W4CUJ	144.790	145.390 *		B
GREENEVILLE	. . .WB4NKM	144.810	145.410 *		
GRNVLE/VIKING MT	KB4UG	147.660	147.060	N	R
GTLBG/COVE MTN	WA4KJH	146.250	146.850 *		LE
GUTHRIE (TN/KY)	. .KA4NNE	146.205	146.805	N	
HENDERSON	. .K4TC	147.705	147.105	N	PE
HENDERSONVILLE	WB4WZK	144.670	145.270 *		PT
HENDERSONVILLE	K4UVH	147.945	147.345	N	
HOBBS HILL	. . .NQ4Y	144.810	145.410	N	PROPOSED
HUMBOLDT	. . .NQ4Y	144.750	145.350	N	AL
HUNTINGDON	. .KD4KPV	146.235	146.835	N	BE
JACKSON	. . .WB7BOX	144.510	145.110	N	AL
#JACKSON	. . .KE4CES	144.630	145.230 *		UNCOORD.
JACKSON	. . .KF4SC	144.710	145.310 *		A
JACKSON	. . .W4WKZ	147.810	147.210 *		A
JACKSON	. . .WB0TMC	147.870	147.270 *		
JAMESTOWN	. . .K4NLP	147.690	147.090 *		T100.0
JASPER	. . . .KD4XX	144.590	145.190 *		AT127.3
JOHNSON CITY	. .W4ABR	146.190	146.790 *		BP
JOHNSON CITY	. .KE4FH	147.870	147.270 *		A
JOHNSON CITY/HOL	WB4SQC	144.690	145.290 *		BP
JONESBOROUGH	WD4OBW	146.325	146.925 *		L
KNGSPT/BAYS MT	W4TRC	146.370	146.970 *		BP
KNOXVILLE	. . .KC4NNN	144.510	145.110 *		
KNOXVILLE	. . .WB4GBI	144.570	145.170 *		
KNOXVILLE	. . .W4BBB	144.610	145.210 *		A
KNOXVILLE	. . .WA4TEM	144.730	145.330 *		ABER
KNOXVILLE	. . .KB4KIE	144.770	145.370 *		B
KNOXVILLE	. . .WB4YLC	144.830	145.430 *		PROPOSED
KNOXVILLE	. . .WB4GBI	144.870	145.470 *		
KNOXVILLE	. . .WB4GBI	146.025	146.625 *		
KNOXVILLE	. . .WB4GBI	146.340	146.940 *		
KNOXVILLE	. . .KD4CWB	146.400	147.000	N	BT100.0
KNOXVILLE	. . .WB4GBI	147.675	147.075 *		A
KNOXVILLE	. . .KA4AZQ	147.795	147.195	N	BT100.0
KNOXVILLE	. . .W4BBB	147.900	147.300 *		
KNXVL/ENG MT	. .WB4IOB	146.130	146.730 *		
LAFAYETTE	. . .KC4ECD	144.710	145.310 *		ET151.4
LAFOLLETTE	. . .KA4OAK	144.530	145.130	N	A
LAFOLLETTE	. . .KA4OAK	147.960	147.360	N	
LAFOLLETTE/WMT	K4BGW	146.070	146.670 *		
LAKE CITY	. . . .WB4OAH	146.220	146.820	N	A
LAVERNE	. . . .KJ4RA	144.630	145.230	N	
LAWRENCEBURG	KM4ME	146.055	146.655 *		
LEBANON	. . . .WB4DOR	144.790	145.390	N	
LEBANON	. . . .WD4JVV	147.615	147.015	N	
LEBANON	. . . .N4IDG	147.705	147.105 *		ELPT100.0
LEXINGTON	. . .WD4MVR	146.430	147.030	N	
MANCHESTER	. . .W4UOT	146.100	146.700 *		AL
MARTIN	. . . .N4ABU	146.025	146.625	N	A
MAYNARDVILLE	. .KB4KIE	144.630	145.230 *		B
MCMINNVILLE	. .WD4MWQ	146.370	146.970 *		P
MCMINVL/SHT MT	. .WB4LHO	144.890	145.490	N	
MCNAIRY	. . . .NU5O	147.675	147.075 *		BLT107.2
MEDINA	. . . .WA4RWK	146.370	146.970	N	AB
MEMPHIS	. . . .K0JXI	144.550	145.150	N	
MEMPHIS	. . . .KA0BRN	144.570	145.170	N	ALT
MEMPHIS	. . . .W2GLJ	144.610	145.210	N	AB
MEMPHIS	. . . .WA4KOG	144.890	145.490	N	
#MEMPHIS	. . . .WB4KQQ	146.040	146.640	N	UNCOORD.
MEMPHIS	. . . .N4DON	146.130	146.730 *		T107.2
MEMPHIS	. . . .WA4HBY	146.190	147.510	N	NBT
MEMPHIS	. . . .W4BS	146.220	146.820	N	P
MEMPHIS	. . . .WA4KOG	146.250	146.850	N	A
MEMPHIS	. . . .WA4ETE	146.280	146.880 *		AL
MEMPHIS	. . . .N4BSM	146.340	146.940 *		BLP
MEMPHIS	. . . .W4ZJM	146.400	147.000	N	BLT*#
MEMPHIS	. . . .WA4MQQ	147.660	147.060	N	
MEMPHIS	. . . .N4WAH	147.720	147.120 *		BPT107.2
MEMPHIS	. . . .WA4KOG	147.780	147.180	N	
MEMPHIS	. . . .WA4ADT	147.900	147.300	N	PL
MEMPHIS	. . . .W4BS	147.960	147.360	N	
MORGAN COUNTY	WD4ORB	147.930	147.330 *		
MORRISTOWN	. .KD4LP	144.850	145.450	N	B
MORRISTOWN	. .KD4LP	147.630	147.030	N	E
MORRISTOWN	. .WB4OAH	147.825	147.225	N	A
MOUNTAIN CITY	. .WD4OMO	144.870	145.470	N	
#MT PLEASANT	. .KE4KO	144.850	145.450 *		UNCOORD.
MURFREESBORO	WB4LHO	144.570	145.170	N	
#MURFREESBORO	N4ARK	147.915	147.315	N	UNCOORD.
NASHVILLE	. . . .N4ARK	144.610	52.525	N	BLR
NASHVILLE	. . . .N4ARK	144.610	145.210	N	BLR
NASHVILLE	. . . .N4ARK	144.870	145.470	N	BP
NASHVILLE	. . . .WA4PCD	146.010	146.610 *		P
NASHVILLE	. . . .W4FQP	146.160	146.760 *		
NASHVILLE	. . . .W4SQE	146.190	146.790 *		
NASHVILLE	. . . .W4AY	146.250	146.850 *		PT114.8
NASHVILLE	. . . .WA4PCD	146.280	146.880 *		PT114.8
#NASHVILLE	. . . .KJ4ZQ	147.615	147.015	N	UNCOORD.
NASHVILLE	. . . .K4AYN	147.645	147.045	N	
NASHVILLE	. . . .WA4PCD	147.750	147.150	N	
NASHVILLE	. . . .K4ZGA	147.780	147.180 *		ABT114.8
NASHVILLE	. . . .WA4BZU	147.855	147.255	N	TP
NASHVILLE	. . . .WB4ZSA	147.900	147.300	N	P
NASHVILLE	. . . .WB4NTM	147.960	147.360	N	ATL
NASHVILLE RATS	. .WA4PCD	146.340	146.940 *		
NASHVILLE W	. . .WB4NTM	146.040	146.640	N	AT
NASHVILLE W	. . .WB4NTM	146.070	146.670	N	ATL
NASHVLE/FAIRVIEW	N4ARK	144.510	145.110	N	B
NOLENSVILLE	. .WD4JYD	144.750	145.350	N	BEP
OAK RIDGE	. . .W4SKH	146.280	146.880 *		
OAK RIDGE	. . .W4SKH	146.370	146.970 *		A
OAK RIDGE	. . .K4EAJ	147.720	147.120 *		
OAK RIDGE	. . .K4EAJ	147.750	147.150 *		LT
OAKFIELD	. . .KJ5CO	144.870	145.470	N	
OAKFIELD	. . . .WA4BJY	147.990	147.390	N	PRT
OLIVER SPRINGS	. .AA4UP	146.145	146.745	N	
PARIS	. . . . .K4KLX	147.960	147.360	N	A
PETROS/FRZ HD MT	KJ4SI	147.855	147.255 *		BERPT94.8
PIGEON FORGE	. .KD4CLA	144.670	145.270	N	PROPOSED
PIKEVILLE	. . . .K4PUX	147.885	147.285 *		
PULASKI/MUSIC MT	WA4AUX	146.175	146.775 *		E
PURYEAR	. . . .WA4CEX	147.765	147.165	N	
RAMER	. . . .WB4MMI	146.100	146.700	N	BT94.8
RIDGETOP	. . . .WD4FFM	144.690	145.290	N	
ROCKWOOD/MT ROOS	KA4QYI	146.040	146.640 *		T100.0
ROCKWOOD/MT ROOS	AA4KS	147.615	147.015 *		ABER
ROGERSVILLE	. .KD4HZN	147.915	147.315 *		E
SALTILLO	. . . .KB4JUB	146.115	146.715 *		
SAVANNAH	. . . .WB4DQU	146.310	146.910	N	
#SHELBYVILLE	. . .KC4KRM	144.530	145.130	N	UNCOORD
SHELBYVILLE	. . .N4VFB	147.660	147.060	N	A
SHORT MTN	. . .W4YXA	146.310	146.910	N	
SMITHVILLE	. . .KB4ZOE	144.770	145.370	N	ALT
SPOT	. . . . . .NU5O	144.830	145.430 *		107.2
SPOT	. . . . . .NU5O	147.885	147.285 *		PROPOSED
TRENTON	. . . .KN4KP	146.265	146.865	N	AE
UNION CITY	. . . .WA4YGM	146.100	146.700	N	A
UNION CITY	. . . .WA4YGM	147.615	147.015	N	OAR
WALLAND	. . . .KB4PIO	146.085	146.685	N	BP
WATERTOWN	. . .KD4EHL	146.130	146.730 *		T100.0
WATERTOWN	. . .N4IDG	146.235	146.835 *		LPT100.0
WINCHESTER	. . .AB4SW	146.220	146.820 *		A

220 MHZ

BLOUNTVILLE	. . .WA4KMG	222.600	224.200	N	B
BROWNSVILLE	. . .KB4YTU	222.600	224.200	N	PL
CHATT/SIGNAL MT	. .WA4ZOK	223.300	224.900	N	
CHATTANOOGA	. . .K4VCM	223.180	224.780	N	
CLARKSVILLE	. . .KF4GP	222.340	223.940	N	
CLEVELAND	. . . .KK4US	222.720	224.320	N	AB
COLLIERVILLE	. . . .KB4YGI	222.800	224.400	N	PL
COLUMBIA	. . . .KE4KO	223.120	224.720	N	
CROCKETT RIDGE	KC4ZYI	222.880	224.480 *		PROPOSED
DAYTON	. . . .K4PHT	223.240	224.840	N	PROPOSED
FISHERVILLE	. . .N4DRL	223.280	224.880	N	AL
FRANKLIN	. . . .WD4SGS	222.540	224.140	N	
GALLATIN	. . . .WB4ZSA	222.380	223.980	N	
GALLITAN	. . . .KD4GON	223.100	224.700	N	PROPOSED
GRAY/HOLSTON MTN	WD4SBX	223.300	224.900	N	T103.5
GREENBRIAR	. . .WC4E	223.200	224.800	N	AB
GREENBRIER	. . .WC4E	223.160	224.760	N	
GREENEVILLE	. . .WB4NKM	223.340	224.940 *		ABR
HERMITAGE	. . .WB4RAB	222.300	223.900	N	
JC/BUFFALO MT	. . .WA4UCI	223.180	224.780 *		
JONESBOROUGH	WD4OBW	222.920	224.520 *		ALB
KNOXVILLE	. . .N4OQJ	222.780	224.380 *		T100.0
KNOXVILLE	. . .WA4YON	222.860	224.460	N	
KNOXVILLE	. . .W4BBB	222.900	224.500 *		
KNOXVILLE	. . .N4KFI	222.980	224.580	N	B
KNXVL/CROSS MT	KB4FZK	222.620	224.220 *		BT100.0
LAFOLLETTE	. . .KA4OAK	222.680	224.280	N	
LAVERGNE	. . . .KJ4RA	223.360	224.960	N	
MEMPHIS	. . . .W4ZJM	222.340	223.940	N	BLT*#
MEMPHIS	. . . .W4BS	222.820	224.420	N	L
MEMPHIS	. . . .WA4KOG	223.180	224.780	N	
MOORESBURG/SNEED	KD4IBW	223.160	224.760 *		PROPOSED
MORRISTOWN	. .N4RBB	222.800	224.400	N	AB
MORRISTOWN	. .KC4RGQ	223.040	224.640	N	ABL
NASHVILLE	. . . .WB4NTM	222.480	224.080	N	
NASHVILLE	. . . .WR3S	222.560	224.160	N	ABRL
NASHVILLE	. . . .KB4ZOE	222.760	224.360 *		AR
NASHVILLE	. . . .K4ZGA	222.880	224.480 *		A
NASHVILLE	. . . .WR3S	223.060	224.660	N	ALR
NASHVILLE	. . . .N4PYI	223.140	224.740 *		ALRT100.0
NASHVILLE	. . . .KC4PRD	223.240	224.840	N	PROPOSED
NASHVILLE	. . . .WA4PCD	223.340	224.940 *		T
OAKFIELD	. . . .KJ5CO	223.080	224.680	N	
SEVIERVILLE	. . .N2FUV	222.840	224.440	N	PT
SEVIERVILLE	. . .KD4IBW	223.100	224.700 *		BL
SEVIERVILLE	. . .KD4IBW	223.200	224.800 *		BLR
SHORT MTN.	. . .KE4NP	222.660	224.260 *		LRT114.8
SPRINGFIELD	. . .KC4BN	222.620	224.220	N	ABER

440 MHZ

ALAMO	. . . .WB4EDS	448.750	443.750	N	L
ARNOLD A.F.B.	. . .KC4FV	448.950	443.950	N	PROPOSED
ATOKA	. . . .KC4SBK	447.700	442.700	N	
BARTLETT	. . . .WA4DOR	448.700	443.700	N	T107.2
BARTLETT	. . . .WA4PAJ	449.250	444.250	N	
BETHPAGE	. . . .KC4YCR	447.200	442.200	N	
BLUFF CITY	. . . .WB4RAV	449.725	444.725	N	BCO
BRISTOL/HLST MT	K4LSP	449.500	444.500	N	A
BROWNSVILLE	. .KB4YTU	449.200	444.200	N	PL
BROWNSVILLE	. .KB4YTU	449.450	444.450	N	CPL
CARTHAGE	. . .N4OTT	448.725	443.725 *		
CHATT/MONTLAKE M	KD4UWA	449.875	444.875 *		BPT136.5
CHATTANOOGA	. . .WJ9J	447.150	442.150 *		ABELR
CHATTANOOGA	. . .N4JSR	447.325	442.325	N	
CHATTANOOGA	. . .W4AM	449.100	444.100	N	A
CLARKSVILLE	. . .WA4BZU	449.325	444.325 *		CT107.2
CLARKSVILLE	. . .KF4GP	449.950	444.950	N	ABT167.9
CLEVELAND	. . .WD4DES	447.250	442.250	N	
CLEVELAND	. . .KD4NEB	447.450	442.450	N	AB
CLEVELAND	. . .W4GZX	449.275	444.275 *		CAB

More Tennessee Repeaters

COLLEGEDALE	KA6UHV	448.575	443.575 *	BP
COLUMBIA	WA4BGK	449.925	444.925 *	T107.2
COOKEVILLE	N4UBR	447.300	442.300 N	B
COOKEVILLE	NQ4Y	449.550	444.550 N	AL
CUMBERLAND CITY	WD4DBJ	448.400	443.400 *	PT
DAYTON	KN4VY	447.075	442.075 N	BELP
DEASON	WA4AWI	448.350	443.350 *	PROPOSED
DOVER	N4VIH	449.925	444.925 *	
ETHRIDGE	AB4UP	449.075	444.075 *	ARBLT107.2
FRANKLIN	N4ULM	448.850	443.850 N	
FRANKLIN	WA4AKM	449.725	444.725 *	OLT107.2
GALLATIN	N4SSB	447.600	442.600 *	BLT107.2
GALLATIN	WD4BKY	449.000	444.000 *	BLT107.2
GALLATIN	WD4BKY	449.350	444.350 *	LPT114.8
GALLATIN	WD4KWP	449.450	444.450 N	
GALLATIN	WA4AKM	449.775	444.775 *	LT107.2
GATLBG/COVE MT	WA4KJH	448.300	443.300 *	L
GERMANTOWN	W2GLJ	449.350	444.350 N	B
GRAY/HOLSTON MT	WD4SBX	447.200	442.200 N	T103.5
GREENBRIER	WQ4E	449.250	444.250 N	
GREENEVILLE	WB4NKM	449.650	444.650 *	T100.0
GRNVLE/VIKING MT	KB4UG	448.200	443.200 N	PR
HARRIMAN	KC4WHL	447.875	442.875 *	A
HENDERSON	K4TC	449.750	444.750 N	P
HERMITAGE	WA4AXH	448.700	443.700 *	PROPOSED
JACKSON	WB4EPG	447.800	442.800 N	A
JACKSON	WB7BOX	449.875	444.875 N	PERLT
JAMESTOWN	KC4MJN	448.625	443.625 *	T100.0
JASPER	KD4XV	447.050	442.050 *	C
JOHNSON CITY	KE4FH	449.100	444.100 *	BPT
JOHNSON CITY/HOL	WB4SQC	447.050	442.050 *	PROPOSED
KNOXVILL/ENG MTN	WB4HAP	449.600	444.600 *	
KNOXVILLE	WA4NTZ	447.500	442.500 N	
KNOXVILLE	KA4AZQ	448.075	443.075 N	BT100.0
KNOXVILLE	KC4NNN	449.175	444.175 *	A
KNOXVILLE	WB4GBI	449.300	444.300 *	
KNOXVILLE	KC4NNN	449.425	444.425 *	B
KNOXVILLE	KB4KSL	449.500	444.500 *	AO
LAFAYETTE	KC4ECD	449.125	444.125 *	RT107.2
LAFOLLETTE	KB4OTK	448.700	443.700 *	B
LEBANON	WA4AWI	448.275	443.275 *	PROPOSED
LEBANON	N4IDG	448.575	443.575 *	T100.0
#LEBANON	WA4AXH	449.275	444.275 *	UNCOORD.
MARYVILLE	KC4PDQ	449.075	444.075 *	ABER
MCMINNVILLE	WD4MWQ	449.850	444.850 *	PT
MCNAIRY	NU5O	449.550	444.550 *	CLOSED
MEDINA	WA4BJY	447.050	442.050 N	AL
MEMPHIS	WB4EPG	447.625	442.625 N	
MEMPHIS	WF4G	447.825	442.825 N	
MEMPHIS	W4ZJM	448.000	443.000 N	BT*#
MEMPHIS	KA4JXT	448.100	443.100 *	T107.2
MEMPHIS	W4BS	448.200	443.200 N	
MEMPHIS	WA4QWW	449.400	443.400 N	A
MEMPHIS	WA4KOG	448.800	443.000 N	NB
MEMPHIS	N4NBC	448.950	443.950 *	
MEMPHIS	KA0BRN	448.975	443.975 N	ALT
MEMPHIS	WA4ETE	449.000	444.000 *	T107.2
MEMPHIS	K4RDK	449.025	444.025 N	
MEMPHIS	KM4QA	449.075	444.075 *	T167.9
MEMPHIS	KA4JXT	449.100	444.100 *	RPT
MEMPHIS	W2GLJ	449.175	444.175 N	B
MEMPHIS	WA4KOG	449.400	444.400 N	
MEMPHIS	N4WAH	449.500	444.500 *	BPT
MEMPHIS	K0JXI	449.600	444.600 N	
MEMPHIS	K0JXI	449.800	444.800 N	
MEMPHIS	WB4NNE	449.950	444.950 N	O
MEMPHIS/ADAMS MK	K5FC	449.825	444.825 N	
MILAN	WD4PAX	447.100	442.100 N	
MORRISTOWN	KA4NEX	449.200	444.200 N	
MORRISTOWN	KD4LP	449.975	444.975 N	CLOSED
#NASHVILLE	WB4PUB	448.050	443.050 N	UNCOORD.
NASHVILLE	N4PYI	449.050	444.050 *	T
NASHVILLE	WB4NTM	449.150	444.150 N	ATL
NASHVILLE	N4ARK	449.200	444.200 N	
NASHVILLE	N4ARK	449.225	444.225 N	BLPT107.2
NASHVILLE	WA4BZU	449.300	444.300 *	CT107.2
NASHVILLE	WA4BGK	449.525	444.525 *	T107.2
NASHVILLE	WA4WCK	449.575	444.575 *	T
NASHVILLE	N4TK	449.625	444.625 *	PT107.2
NASHVILLE	WA4PCD	449.675	444.675 *	
NASHVILLE	WA4AKM	449.875	444.875 *	T107.2
NASHVILLE	WA4AKM	449.975	444.975 *	LRPT107.2
NEW DEAL	N4SSB	447.900	442.900 *	BT107.2
OAK RIDGE	K4EAJ	449.400	444.400 *	L
OAKFIELD	WA4BJY	447.200	442.200 N	PTL
OAKFIELD	KJ5CO	449.725	444.725 N	
PALMER	KD4JZI	447.650	442.650 N	PROPOSED
PARIS/GROVE HL	WA4WKS	448.500	443.500 N	
PIGEON FORGE	KD4CLA	449.350	444.350 *	RT
PINSON	KD4GCT	447.900	442.900 N	B
PULASKI	KB4TPI	447.150	442.150 N	
RAMER	WB4MMI	449.900	444.900 N	BT
ROCKWOOD	KA4WJS	448.975	443.975 N	
ROCKWOOD/OZONE	WJ9J	447.225	442.225 *	PROPOSED
ROGERSVILLE	KD4GXE	448.350	443.350 N	T
SEVIERVILLE	KD4CWB	448.500	443.500 N	ABT
SEVIERVILLE	KD4IBW	448.675	443.675 *	BLR
SEVIERVILLE	KD4CWB	449.000	444.000 N	
SEVIERVILLE	KD4IBW	449.525	444.525 *	B
SEYMOUR	KA4AZQ	448.800	443.800 N	
SHELBYVILLE	KC4KRM	448.825	443.825 *	
SHORT MTN	N4OYS	449.650	444.650 *	OT107.2
SMITHVILLE	N4PYI	449.825	444.825 *	T107.2
SMRYNA	KJ4RA	448.975	443.975 N	
SODDY DAISY	WJ9J	449.450	444.450 *	ABELRP
SODDY-DAISY	KD4HII	448.900	443.900 N	PROPOSED
SPENCER	KA4MHJ	448.775	443.775 *	ABET
WATERTOWN	KE4WA	449.400	444.400 N	OT100.0
WATERTOWN	N4IDG	449.900	444.900 *	PT100.0

920 MHZ

MORRISTOWN	KD4LP	908.800	920.800 N	BP

1270 MHZ

MEMPHIS	N4HKS	1272.000	1292.000	* B
NASHVILLE	W4WXJ	1272.400	1284.400	*
NASHVILLE	KB4ZOE	1274.500	1286.500	* ABL

ATV REPEATERS

BARTLETT	N4WAH	253.250	421.250 *	PROPOSED
KNOXVILLE	WA4CDM	426.250	253.250 *	V
KNOXVILLE	WA4CDM	439.250	421.250 *	V
NASHVILLE	KJ4ZQ	439.250	421.250 N	V
NASHVILLE	K4ZGA	910.250	923.250 *	LV
NASHVILLE	KD4EEW	277.250	439.250 N	VL
PULASKI	KB4TPI	439.250	421.250 N	V

VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

BEACONS

HIGH KNOB	WD4GSM	0.000	296.075 *	
HIGH KNOB	WD4GSM	0.000	432.075 *	
HIGH KNOB	WD4GSM	0.000	144.054 *	

10 METERS

BLUEFIELD/ONEIDA	WZ8E	29.580	29.680 *		ORL
NEWPORT NEWS	WB4CTF	29.600	29.600 N		R
STERLING	KD4DN	29.580	29.680 M		MT

6 METERS

ALEXANDRIA	WA4CCF	52.130	53.130 M		ML
AMELIA COURTHSE	KB4YKV	52.110	53.110 N		P
ARLINGTON	KI4MB	52.050	224.060 M		MCL
BEDFORD/THAX MT	WB4DBB	52.150	53.150 *		
CENTERVILLE	KA4DCS	52.580	52.480 M		M
DANVILLE(DCC)	WB4GJG	52.130	53.130 *		
DISMAL PEAK	KE4JYN	52.470	53.470 N		PROPOSED
FANCY GAP	WD4ICX	52.290	53.290 *		T107.2
GATE CITY	N4WWB	52.210	53.210 *		OABL
GUM SPRING	KB4MIC	52.070	53.070 *		
HERNDON	WD4KHP	52.620	52.820 M		TM
LEXNGTN/ROCK MT	KI4ZR	52.010	53.010 *		L
ROANOKE	WB4DBB	52.250	53.250 *		L
ROANOKE/POOR MT	WB8BON	52.090	53.090 *		L

2 METERS

ABINGDN/BRMLY MTN	K4LSP	146.010	146.610 N	L
ABINGDON	NM4L	147.945	147.345 *	ABL
ACCOMAC	WA4TVS	147.855	147.255 *	EB
ALEXANDRIA	WB4MJF	144.550	145.150 M	M
ALEXANDRIA	WD4PDP	146.055	146.655 M	MP
ALEXANDRIA	W4HFH	147.915	147.315 M	ML
ALTAVISTA	WA4ISI	146.055	146.655 *	BEP
AMELIA COURTHSE	KB4YKV	147.780	147.180 N	P
ARLINGTON	N4EFJ	144.870	145.470 M	M
BEAVERDAM	N4CZJ	144.650	145.250 *	BP
BEDFORD	WB4DBB	144.630	145.230 *	
BEDFORD	WB4JBJ	147.705	147.105 *	L
#BEDFORD/APL ORC	WA1ZMS	146.085	146.685 *	UNCOORD.
BLACKSBURG	AB9I	146.115	146.715 *	
BLAND	N4AZJ	144.750	145.350 *	PR
BLUEFIELD	KD8XK	144.650	145.250 *	PROPOSED
BLUEFIELD	W8MOP	144.890	145.490 *	BP
BLUEFIELD/ONEIDA	WZ8E	146.355	146.955 *	PL
BLUEMONT	WA4TSC	147.900	147.300 M	M
BRISTOL	WD4CYZ	146.280	146.880 N	
CHARLOTTESVILLE	WA4TFZ	146.160	146.760 *	
CHARLOTTESVILLE	N4RAG	146.295	146.895 N	BT131.8
CHARLOTTESVILLE	WA4TFZ	146.325	146.925 *	
CHESAPEAKE	K4NDH	144.690	145.290 N	E
CHESAPEAKE	WA4YSE	146.010	146.610 *	ABE
CHESAPEAKE	N4SD	146.190	146.790 *	ABE
CHESAPEAKE	KL7SR	147.705	147.105 N	C
CHESTERFIELD	KA4CBB	147.960	147.360 *	BEP
CLARKSVILLE	N4ZCM	144.870	145.470 N	CP
COEBURN	AD4OV	144.830	145.430 *	ABER
COLLINSVILLE	KN4DE	147.720	147.120 *	BT107.5
COVINGTON	WA4HTI	146.205	146.805 *	L
CULPEPER	AA4VI	147.720	147.120 M	M
DANTE	WD4CYZ	147.855	147.255 N	O
DANTE/HAZEL MTN	KK4MW	146.385	146.985 N	PROPOSED
DANVILLE(DCC)	WB4GJG	146.325	146.925 *	BRPT104.2
DANVILLE/WHT OAK	KM4AU	146.100	146.700 *	BERP
DUBLIN	K4HZS	146.070	146.670 *	P
ELK CRK/IRON MTN	N4MGQ	147.840	147.240 *	BLT107.2
ENON	WB4VWR	147.660	147.060 *	BP
FAIRFAX	W4LBL	146.190	146.790 M	MP
FALLS CHURCH	W4AQD	144.750	145.350 M	MT
FARMVILLE	WA4QQI	144.730	145.330 *	BEP
FARMVILLE	N4RKM	146.310	146.910 *	
FINCASTLE	W4WIC	146.040	146.640 *	A
FOREST	KC4RBA	144.770	145.370 N	BP
FOREST	W8CXD	147.765	147.165 *	L
FRANKLIN	K4SPS	147.900	147.300 *	BEP
FREDRICKSBURG	WB4LNT	147.615	147.015 M	M
GALAX/BRIRP MT	N4VL	147.690	147.090 *	AB
GALAX/LKOUT MT	N4VL	144.530	145.130 *	RT103.5
GATE CITY	N4WWB	146.220	146.820 *	ABL
GLOUCESTER	KC4TOG	144.770	145.370 *	PE
GREENBAY	K4ARO	144.550	145.150 N	
GRUNDY	K4HWQ	147.915	147.315 N	A
GRUNDY/BIG A MT	KK4EH	146.235	146.835 N	
GUM SPRING	WB4IKL	147.870	147.270 *	
HAMPTON	K4DHO	146.130	146.730 *	PE
HAMPTON	K4UMI	146.340	146.940 N	T
HAMPTON	KA4VXR	147.825	147.225 N	A
HARRISONBURG	N4YET	144.530	145.130 M	M
HARRISONBURG	N4RAG	147.825	147.225 N	AMT131.8
HARRISONBURG	N4YET	147.915	147.315 M	MA
HERNDON	N4FXP	144.710	145.310 M	MP
KILMARNOCK	W2MS	144.610	145.210 *	A
LEXINGTON	KI4ZR	147.900	147.300 *	AB
LEXNGTN/ROCK MT	KI4ZR	147.930	147.330 *	
LORTON	N4JOQ	144.570	145.170 M	MC
LORTON	KE4ZN	144.570	145.170 M	MT
LUNENBURG CT HSE	AA4OG	147.840	147.240 N	
LYNCHBURG	W4WWQ	146.010	146.610 *	
LYNCHBURG	AB4M	146.415	147.015 *	PT131.8
LYNCHBURG	WA4RTS	147.795	147.195 *	
LYNCHBURG	KB4ILD	147.975	147.375 N	P
MADISON	N4AJO	147.990	147.390 M	M
MANASSAS	WA4FPM	146.370	146.970 M	MBLPE
MARION	KC4SKE	144.670	145.270 N	T103.5
MARION	N4QLF	146.040	146.640 N	A
MARTINSVILLE	KD4QWD	147.885	147.285 *	BPT107.2
MCLEAN	WD4IWG	147.810	147.210 M	MBP
MOUNTAIN LAKE	WZ8E	147.465	146.865 *	PL
MT.LAKE/BALD KNB	K4TUE	146.310	146.910 *	
NEW MARKET	K4AVW	146.025	146.625 M	MB
NEWPORT NEWS	W4MT	144.630	145.230 *	B
NEWPORT NEWS	WA4OHX	144.890	145.490 *	ABET6
NEWPORT NEWS	WB4CTF	147.765	147.165 N	PLR
NORFOLK	WA4ZUA	144.570	145.170 *	BELPRT136.5
NORFOLK	NS3F	144.730	145.330 *	BERP
NORFOLK	NE4D	146.100	146.700 N	E
NORFOLK	KS4DJ	147.675	147.075 N	BEP
NORTON/HIGH KNOB	K4AXO	146.415	147.015 *	BP
OILVILLE	N4TZE	147.690	147.090 N	C
PEARISBURG	N4AZJ	147.735	147.135 *	P
PENNINGTON GAP	KK4QS	146.100	146.700 N	
PETERSBURG	K4ARO	147.990	147.390 N	
PKS KB/PULASKI	WB3S	147.780	147.180 *	BP
PORTSMOUTH	W4POX	146.250	146.850 *	ABE
POUND	KD4UZN	144.610	145.210 N	PROPOSED
RADFORD/RINER	KA4IXK	144.550	145.150 N	PROPOSED
#RICHLANDS	KM4FY	147.750	147.150 N	UNCOORD.
RICHMOND	K4YPE	144.510	145.110 *	A
RICHMOND	W4SQT	144.830	145.430 *	P
RICHMOND	WB4QEY	146.040	146.640 N	P
RICHMOND	WA4ZBE	146.280	146.880 *	BP
RICHMOND	W4ZA	146.340	146.940 *	B
RICHMOND	WA4JST	146.430	147.030 N	
RICHMOND	N4HB	147.735	147.135 *	T107.2
ROANOKE	N4AP	146.340	146.940 N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745 *	BERPT107.2
ROANOKE/POOR MT	W4CA	146.385	146.985 *	BELP
ROANOKE/POOR MT	WB4QOJ	144.610	145.210 N	KLY
ROANOKE/POOR MTN	K4ARO	144.790	145.390 N	LT107.2
ROANOKE/POOR MTN	KB4QWO	147.870	147.270 *	BCLP
RUSTBURG/LONG MT	N4UTN	146.235	146.835 *	BP
SALEM	W4PDL	146.280	146.880 N	
SALUDA	AA4HQ	144.850	145.450 *	ABE
SMITHFIELD	N3ELM	147.795	147.195 *	ABRT100.0
SOUTH BOSTON	WD4LBM	146.460	147.060 *	PL
STAFFORD	NM7J	144.670	145.270 M	MP
STAUNTON	W4XD	146.100	146.700 *	
STAUNTON	WA4ZBP	146.250	146.850 *	RYT131.8
STAUNTON	W4WRN	146.370	146.970 N	E
STAUNTON/EL. KB	WD4FOZ	147.645	147.045 *	T131.8
STERLING	WA4TXE	146.115	146.715 M	MBP
STUARTS DRAFT	KB4OLM	147.960	147.360 *	PELP
SUFFOLK	WA4HMT	146.400	147.000 N	OEP
TYSONS CORNER	W4XG	146.310	146.910 M	MP
VIENNA	K4HTA	146.085	146.685 M	MB
VIRGINIA BEACH	WA4KXV	146.295	146.895 *	
VIRGINIA BEACH	WA4KXV	146.370	146.970 *	E
VIRGINIA BEACH	WA4SBC	147.645	147.045 N	
VIRGINIA BEACH	W4NV	147.975	147.375 N	BP
WALKERTON	KA4DZU	146.115	146.715 N	
WARRENTON	NZ4N	147.765	147.165 M	M
WARSAW	KA4ZIP	147.930	147.330 *	E
WAYNESBORO	W4PNT	147.675	147.075 *	BELP
WILLIAMSBURG	K2QIJ	144.810	145.410 *	ABELT127.3
WILLIAMSBURG	W4NTG	146.070	146.670 *	ABE
WILLIAMSBURG	KB4ZIN	146.160	146.760 *	ABE
WINCHESTER	N4RAG	144.610	145.210 N	MT131.8

More Virginia Repeaters . . .

WINCHESTER	.W4RKC	146.220	146.820 *	ME
WISE	.KC4MAI	146.265	146.865 *	AE
WOODBRIDGE	.WB4FQR	147.840	147.240 M	MA
WYTHEVILLE	.WB3T	146.175	146.775 *	AEL
WYTHEVILLE/BLAND	WB3T	146.295	146.895 *	BLRT103.5
YORKTOWN	.WA4ZBF	147.945	147.345 N	

220 MHZ

ALEXANDRIA	.WA4CCF	223.220	224.820 M	ML
ARLINGTON	.KI4MB	222.460	224.060 M	M
BEDFORD	.N4PLV	223.240	224.840 *	B
BEDFORD/APL ORCH	.WA1ZMS	222.580	224.180 *	BLT100.0
BLUEFIELD	.N8LGA	223.320	224.920 *	
CHARLOTTESVILLE	KB4YQC	222.540	224.140 *	BCPT
CHARLOTTESVILLE	WA4TFZ	223.160	224.760 *	
#DELTAVILLE	.AA4HQ	223.300	224.900 *	UNCOORD.
FAIRFAX	.WB4YHD	222.500	224.100 M	ML
FALLS CHURCH	.N4CHP	223.380	224.980 M	MP
GLOUCESTER PT.	.N4THN	223.020	224.620 N	BEP
HAMPDEN-SYDNEY	WB4PEA	222.600	224.200 N	O
HAMPTON	.WB4PVT	223.260	224.860 N	
LAKE GASTON	.WA4HMT	223.000	224.600 N	O
LEESBURG	.WA4TXE	222.420	224.020 M	M
LOVETTSVILLE	.WB4FUJ	222.860	224.460 M	MC
LYNCHBURG	.AB4M	222.680	224.280 *	P
MANASSAS	.KB4CVL	222.740	224.340 M	M
MANASSAS	.WA4FPM	223.060	224.660 M	MBLPE
MARTINSVILLE	.WB4YJC	222.900	224.500 *	P
NORTON/HIGH KNOB	WD4GSM	222.820	224.420 *	B
PATRICK SPRINGS	.KN4DE	222.820	224.420 *	PROPOSED
PEARISBURG	.KJ4QQ	223.260	224.860 N	PROPOSED
PETERSBURG	.K4ARO	223.100	224.700 N	
RICHMOND	.WA4ONG	222.920	224.520 N	K
RIDGEWAY	.AA4QT	222.780	224.380 *	BRT
ROANOKE	.WB4DBB	222.500	224.100 *	L
ROANOKE/CAHAS MT	AB4EM	223.340	224.940 *	
ROANOKE/TINKER	K4YDG	223.300	224.900 N	B
SINGERS GLEN	.K4SAD	223.220	224.820 M	MC
STAUNTON	.N4RAG	223.140	224.740 N	
STAUNTON/EL KNOB	.WD4FOZ	222.700	224.300 N	T
STERLING	.WD4KHP	222.120	223.720 M	M
STUART	.WB4GUG	222.600	224.200 *	T107.2
TYSONS CORNER	WD4KHP	222.820	224.420 M	MT
TYSONS CORNER	WD4KHP	223.120	224.720 M	M
VIENNA	.K4HTA	222.340	223.940 M	M
VIRGINIA BEACH	.N4WQJ	223.140	224.740 N	
WAYNESBORO	.KC4MZN	222.620	224.220 *	PT
WAYNESBORO	.KA4RCL	223.080	224.680 *	T131.8
WOODBRIDGE	.WB4GJZ	223.180	224.780 M	M

440 MHZ

ABINGDON	.KB8KSP	447.975	442.975 *	B
ALEXANDRIA	.W4HFH	449.600	444.600 M	M
ALTAVISTA	.WA4ISI	449.425	444.425 *	B
ARLINGTON	.KA4DCS	444.875	449.875 M	M
ARLINGTON	.KI4MB	449.150	444.150 M	M
BEDFORD	.WB4DBB	449.350	444.350 *	L
BEDFORD/APL ORCH	.WA1ZMS	447.650	442.650 *	BLT100.0
BEDFORD/APL ORCH	.WA1ZMS	448.800	443.800 *	BT100.0
BIG "A" MTN	.KB4WTP	449.875	444.875 *	
BLUEFIELD	.WZ8E	448.625	443.625 *	BL
BLUEFIELD	.W8MOP	449.450	444.450 *	BR
BLUEFIELD	.WZ8E	449.625	444.625 *	OPL
BLUEMONT	.WA4TSC	444.925	449.925 M	M
CHANTILLY	.K4HTA	443.375	448.375 M	MC
CHARLOTTESVILLE	WA4TFZ	449.250	444.250 *	
CHESAPEAKE	.KB4NKO	448.100	443.100 N	
CHESAPEAKE	.K4NDH	448.800	443.800 N	P
CHESAPEAKE	.N4EVG	448.900	443.900 *	PE
COVINGTON	.WA4HTI	447.250	442.250 *	O
DANVILLE	.KQ4UU	448.850	443.850 *	B
DANVILLE/WHT OAK	KM4AU	449.700	444.700 *	PROPOSED
ENON	.WB4VWR	449.200	444.200 *	R
FAIRFAX	.WD4KHP	444.775	449.775 M	MCL
FALLS CHURCH	.N4EFK	449.300	444.300 M	M
FALLS CHURCH	.K8ZOA	449.450	444.450 M	ML
FANCY GAP	.N4OWU	449.375	444.375 *	T107.2
FANCY GAP	.N4XRY	449.900	444.900 *	RPB
FOREST	.KC4RBA	448.450	443.450 *	BPR
FOREST	.W8CXD	448.600	443.600 *	
FOREST	.WD4KQI	449.750	444.750 *	A
GASBURG	.WA4HMT	447.000	442.000 N	C
GATE CITY	.N4WWB	449.700	444.700 *	ABL
GREAT FALLS	.N3AVA	449.050	444.050 M	M
GRETNA/SMITH MT	KD4TBC	449.075	444.075 *	BP
GUM SPRING	.KB4MIC	447.800	442.800 *	
HAMPTON	.K4UMI	448.650	443.650 N	
HAMPTON	.K4OGT	449.550	444.550 *	EPT167.9
INDEPENDNCE HILL	AA4VA	448.800	443.800 M	M
LEXNGTN/ROCK MT.	KI4ZR	449.150	444.150 *	
LORTON	.WD4KHP	444.725	449.725 M	ML
LYNCHBG/JACK MT.	KF4YI	447.400	442.400 *	P
LYNCHBURG	.AB4FU	447.950	442.950 *	PT
LYNCHBURG	.WA4RTS	449.550	444.550 *	T136.5
LYNCHBURG/TOBRMT	K4HEX	449.500	444.500 *	R
MADISON	.N8HON	449.400	444.400 M	MBL
MANASSAS	.WD4JCE	444.225	449.225 M	ML
MARTINSVILLE	.KD4CRM	447.175	442.175 *	OBT88.5
MT. VERNON	.WA5ZAI	449.500	444.500 M	M
NORFOLK	.WD4MIZ	449.675	444.675 *	B
NORTON/HIGH KNOB	WA4NDQ	449.850	444.850 *	BLRT103.5
OILVILLE	.KB4MIC	449.800	444.800 *	P
PATRICK SPRINGS	.KN4DE	448.175	443.175 *	PROPOSED
PEARISBURG	.N4AZJ	449.975	444.975 *	T103.5
PETERSBURG	.K4ARO	447.600	442.600 N	PROPOSED
PETERSBURG	.WB4KZI	448.825	443.825 *	B
PORTSMOUTH	.KK4SN	449.000	444.000 *	AE
POWHATAN	.AC4QG	448.100	443.100 N	PROPOSED
RICHMOND	.KC4VDZ	447.300	442.300 *	
RICHMOND	.WA4ZBE	447.550	442.550 *	O
RICHMOND	.N4LFU	448.350	443.350 N	B
RICHMOND	.K4ARO	449.850	444.850 N	
RICHMOND/CHARVLE	N4EHJ	449.650	444.650 *	B
ROANOKE	.K4ARO	447.600	442.600 N	PROPOSED
ROANOKE/AIRPORT	WD4KZK	448.750	443.750 *	ALRT
ROANOKE/POOR MT	W4CA	447.500	442.500 *	BEP
ROANOKE/POOR MT.	N4VG	447.700	442.700 *	
ROANOKE/POOR MT.	WB8BON	448.650	443.650 *	C
ROANOKE/POOR MTN	KA4IXK	447.850	442.850 *	B
ROANOKE/READ MTN	WD4KZK	449.850	444.850 *	PROPOSED
ROANOKE/TINKER M	WB8BON	449.925	444.925 *	B
SINGERS GLEN	.K4SAD	449.600	444.600 M	MC
SMITHFIELD	.N3ELM	448.550	443.550 *	ABLT100.0
SOUTH BOSTON	.AB4YR	448.925	443.925 *	
SPRINGFIELD	.WD4KHP	444.825	449.825 M	MT
STAFFORD	.KB4OB	448.850	443.850 M	MBP
STAUNTON	.WA4ZBP	449.825	444.825 *	
STAUNTON	.W4WRN	449.950	444.950 N	
STAUNTON/EL KNOB	.WD4FOZ	449.100	444.100 *	T131.8
STERLING	.WA4TXE	447.100	442.100 M	MLP
STERLING	.WA4TXE	447.200	442.200 M	M
STUART	.WB4GUG	447.225	442.225 *	T107.2
STUARTS DRAFT	KB4OLM	449.050	444.050 *	BELP
THE PENTAGON	.K4AF	449.550	444.550 M	MT
TYSONS CORNER	KM4FI	448.500	443.500 M	M
TYSONS CORNER	K4JYF	449.750	444.750 M	M
VIENNA	.N4KOU	449.850	444.850 M	M
VIRGINIA BEACH	.WA4KXV	449.950	444.950 *	E
WAYNESBORO	.WA4EZA	449.200	444.200 N	BT141.3
WHITETOP MTN	.KM4X	448.000	443.000 *	BT103.5
WILLIAMSBURG	.W4NTG	448.950	443.950 *	O
WILLIAMSBURG	.KB4ZIN	449.100	444.100 *	B
WILLIS	.W4DUM	448.875	443.875 *	B
WINCHESTER	.NB3O	444.175	449.175 M	M
WINCHESTER	.W3CSG	447.000	442.000 M	M
WOODBRIDGE	.KA4DCS	444.875	449.875 M	M
WOODBRIDGE	.N4LJZ	448.100	443.100 M	M
WOODBRIDGE	.WB4FQR	449.900	444.900 M	M
WOODFORD	.WA4SDE	443.975	448.975 M	M
WYTHE/WALKER MTN	WB3T	447.000	442.000 *	ABLRT103.5
WYTHEVILLE/SAND	WB3T	449.325	444.325 *	T103.5

920 MHZ

ALEXANDRIA	.WA4CCF	907.600	919.600 M	M
BEDFORD/APL ORCH	.WA1ZMS	909.100	921.100 *	BLT100.0
LYNCHBURG/TOBRMT	KB4OSI	909.000	921.000 N	T100.0
ROANOKE	.KM4TT	908.900	920.900 *	PT123.0

1270 MHZ

ALEXANDRIA	.WA4CCF	1270.600	1282.600	M M
BEDFORD/APL ORCH	.WA1ZMS	1271.100	1291.100	* BLT100.0
MCLEAN	.K6LEW	1272.100	1292.100	M M
ROANOKE/POOR MTN	WB4DBB	1271.020	1291.020	*
TYSONS CORNER	.WR4S	1272.000	1292.000	M MB

ATV REPEATERS

ALEXANDRIA	.WA9GVK	426.250	911.250 M	MVL
ALEXANDRIA	.WA9GVK	426.250	439.250 M	MV
LYNCHBURG	.K4HEX	426.250	923.250 *	V
POWHATAN	.AC4QG	426.250	439.250 N	V
ROANOKE/POOR MT.	N4FHL	426.250	439.250 N	V
WAYNESBORO	.KA5NOJ	439.250	426.250 *	V

WEST VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

BECKLEY/BOLT	.KA8OTX	29.520	29.620 *	
BERKELEY SPRINGS	KK3L	29.520	29.620 M	ML
#CHARLESTON	.WB8CQV	29.540	29.640 N	UNCOORD.

6 METERS

CHARLESTON	.WB8YST	52.630	53.630 *	BP
MARMET/CHARLESTON	N8PEI	52.750	53.750 N	BT141.3

2 METERS

AMBER RIDGE	.KB8NJH	147.810	147.210 *	B
BECKLEY/BOLT	.WF1G	144.570	145.170 *	AL
BECKLEY/EOC	.N8TNB	144.770	145.370 *	AL
BECKLEY/FLAT TOP	WA8WDK	146.250	146.850 N	L
BECKLEY/LAYLAND	N8FCJ	144.710	145.310 *	AL
BECKLEY/OAK HILL	.N8FWL	144.630	145.230 *	L
BERKELEY SPRINGS	KK3L	144.990	29.620 M	ML
BERKELEY SPRINGS	KK3L	146.145	146.745 M	MB
BLUEFIELD	.W8MOP	144.890	145.490 *	BP
BRIDGEPORT	.WB8DKM	147.720	147.120 *	PT
BUCKHANNON	.N8FHE	144.530	145.130 *	
BUCKHANNON	.N8FHE	144.810	145.410 *	A
BUCKHANNON	.WD8L	146.250	146.850 N	B
BUCKHANNON	.N8ZAR	147.660	147.060 *	ABELRT123.0
CHARLES TOWN	.N8EIV	146.385	146.985 M	MT-NIGHT
CHARLESTON	.W8GK	144.750	145.350 N	BEP
CHARLESTON	.WS8L	144.830	145.430 *	P
CHARLESTON	.WB8IFS	146.220	146.820 N	AE
CHARLESTON	.KB8LFJ	146.445	147.045 N	PROPOSED
CLARKSBURG	.N8FMD	146.085	146.685 *	LT103.5
CLARKSBURG	.N8FMD	147.810	147.210 *	EPT103.5
CLAY	.KA8SVN	144.550	145.150 N	PROPOSED
CRAIGSVILLE	.N8FMD	144.670	145.270 *	LT103.5
DANVILLE	.N8TXQ	146.085	146.685 *	PROPOSED
DAVIS	.KE8MR	147.735	147.135 *	LT103.5
ELIZIBETH	.N8TWU	147.600	147.000 N	AB
ELKINS	.KB8BWZ	146.175	146.775 N	
FAIRMONT	.W8SP	144.750	145.350 N	A
FENWICK	.KD8AB	146.340	146.940 N	
FLAT TOP/WINTRPL	WF1G	146.025	146.625 *	A
FLATWOODS	.N8ZPX	146.055	146.655 *	
FRANKLIN	.W3RUA	147.945	147.345 *	B
GASSAWAY	.WB8MZI	146.010	146.610 N	
GLENVILLE	.KA8ZXP	144.690	145.290 *	ABELR
GLENVILLE	.KB8EUN	146.235	146.835 *	
GRAFTON	.WD8LNB	147.975	147.375 *	
GRANTSVILLE	.N8LGY	144.850	145.450 N	PE
HARRISVL/PENSBRO	WB8NSL	147.900	147.300 N	
HINTON	.KB8EQC	147.855	147.255 *	AB
HORSEPEN MT	.NV8H	147.795	147.195 *	PL
HUNTINGTON	.WB8FEQ	144.610	145.210 N	BP
HUNTINGTON	.W8VA	146.160	146.760 *	PEL
HUNTINGTON/CHAS	WB8EZR	146.040	146.640 *	ER
LEON	.WD8OHX	147.780	147.180 N	BP
LEWISBURG	.WB8SPW	146.130	146.730 *	P
LEWISBURG	.WV8D	147.990	147.390 *	
LIBERTY	.W8HYX	144.810	145.410 *	
LOGAN/SUMERCO	.NU8K	147.945	147.345 *	PL
LOGAN/WARD RK MT	KJ8E	146.370	146.970 *	PL
MADISON	.N8TXQ	147.720	147.120 *	BEPT
MARTINSBURG	.WA8FSE	144.550	145.150 M	MB
MARTINSBURG	.WB8YZV	147.855	147.255 M	M
MCMECHEN	.KC8CS	146.310	146.910 *	
MIDDLEBOURNE	.KA8GOH	147.960	147.360	PROPOSED
MORGANTOWN	.K8LG	144.830	145.430 N	AL
MORGANTOWN	.W8CUL	146.160	146.760 *	B
MORGANTOWN	.KE8MR	147.675	147.075 N	AELRP
MULLENS	.KC8IT	147.630	147.030 *	R
NEW MARTINSVILE	KF8LL	146.385	146.985 *	AB
OAK HILL	.NM8T	146.190	146.790 N	E
PARKERSBURG	.WV8G	144.890	145.490 *	AB
PARKERSBURG	.WA8LLM	147.855	147.255 *	AB
PARKERSBURG	.WD8CYV	147.990	147.390 N	B
PARKERSBURG (OH)	WF8U	146.145	146.745 *	ABER
PARKERSBURG (OH)	N8NBL	146.370	146.970 N	A(OHIO)
PARSONS	.K8VNQ	144.770	145.370 *	ABET118.8
PRINCETON	.KA8PNC	146.460	147.060 *	P
PRINCETON	.WB8NRK	147.825	147.225 *	BP
PRINCETON/PIPEST	WD8OGY	146.325	146.925 N	
RAVENSWOOD	.WD8JNU	146.070	146.670 N	P
RAVENSWOOD	.WD8JNU	146.100	146.700 N	R
RICHWOOD	.WB8YJJ	144.590	145.190 N	B
RICHWOOD	.W8FG	144.870	145.470 N	
SALT ROCK	.WD8MCR	144.510	145.110 N	
SCOTT DEPOT	.WC8S	147.870	147.270 *	ELRP
SHERRARD	.KD8GL	146.115	146.715 *	EPL
SO. CHARLESTON	WB8CQV	146.280	146.880 N	L
SOUTH CHARLESTON	KB8ODO	144.650	145.250 N	P
SPENCER	.WT8Z	147.705	147.105 N	
SPRUCE KNOB	.N8HON	147.885	147.285 *	L
ST ALBANS	.K8WMX	146.400	147.000 *	B
ST ALBANS	.KA8SVR	147.750	147.150 N	BELRP
ST ALBANS	.K8WMX	147.975	147.375 *	Y
ST MARYS/BENS R	WB8ECC	147.630	147.030 N	L
TERRA ALTA	.KD8ZR	147.600	147.000 *	AE
UNION	.KB8CM	144.810	145.410 *	
UPPER TRACT	.KB8BUC	146.055	146.655 *	OB
WEIRTON	.W8CWO	146.340	146.940 N	ABEP
WELCH	.WB8SXZ	144.850	145.450 N	
WESTON	.WD8EOM	144.790	145.390 N	P
WESTON	.WC8K	147.765	147.165 N	BR
WHEELING	.WB8JGY	144.590	145.190 N	PL
WHEELING	.W8ZQ	146.160	146.760 *	B
WILLIAMSON	.WR8M	144.730	145.330 *	AR

220 MHZ

BECKLEY	.N8FWL	222.640	224.240 *	PROPOSE
CHARLESTON	.WB8YST	222.760	224.360 *	BRPT
FLAT TOP/WINTRPL	WF1G	222.520	224.120 *	A
#LEON	.WD8OHX	222.180	223.780 N	UNCOOR
WILLIAMSON	.WR8M	222.540	224.140 *	

440 MHZ

ALDERSON	.WF1G	449.400	444.400 *	O
BECKLEY	.N8FWL	448.475	443.475 *	PROPOS
BECKLEY/BOLT	.AA8BS	447.300	442.300 *	RB
BECKLEY/OAK HILL	.WF1G	449.800	444.800 *	R
BELINGTON	.N8SCS	449.900	444.900 N	

BLUEFIELD	W8MOP	449.450	444.450 * BR
BUCKHANNON	N8FHE	448.100	443.100 * L
BUCKHANNON	N8ZAR	449.250	444.250 * ABELR
BUCKHANNON	WV8Y	449.500	444.500 N BR
CHARLESTON	WB8YST	449.350	444.350 * BR
CHARLESTON	WS8L	449.750	444.750 * BL
CLARKSBURG	N8FMD	449.175	444.175 * T103.5
ELKINS	WJ8G	449.850	444.850 * T103.5
FAIRMONT	W8SP	448.875	443.875 N A
GLENVILLE	KA8ZXP	449.325	444.325 *
#HUNTINGTON	KB8EHJ	447.600	442.600 * UNCOORD
HUNTINGTON	WB8EZR	448.000	443.000 *
HUNTINGTON	AA8MR	449.850	444.850 * PR
HURRICANE	K8OJC	449.075	444.075 *
KEENY MTN	KF8FO	449.725	444.725 * O
MORGANTOWN	K8LG	449.700	444.700 N L
MORGANTOWN	W8CUL	449.800	444.800 * B
MULLENS	KC8IT	449.000	444.000 * AB
PARKERSBURG	WV8G	449.775	444.775 * B
PINEVILLE	AA8BS	449.125	444.125 *
SO. CHARLESTON	WB8CQV	449.950	444.950 N RL
ST. ALBANS	K8MHR	448.150	443.150 N BELP
WELCH	N8SNY	448.725	443.725 N PROPOSED
WESTON	N8FIP	448.975	443.975 N BR
WESTON	WC8K	449.600	444.600 N C
#WHEELING	KA8YEZ	448.025	443.025 * UNCOORD.
WHEELING	N8EKT	449.975	444.975 N

FULL MEMBERS FROM NON-SERA STATES

2 METERS

DELTONA, FL	N3SBK	147.645	147.045 *
PENSACOLA, FL	KD4APH	144.610	145.210 * BL
WINFIELD, AL	KD4DTD	147.640	147.040 * T192.8

440 MHZ

DALLAS, TX	KF5TU	447.350	442.350 * T100.0
DELTONA, FL	N3SBK	447.925	442.925 *
PENSACOLA, FL	KD4APH	449.200	444.200 * BL

REPEATER INDEX LISTING BY FREQUENCY

10 METERS

29.600 / 29.600
WB4CTF NEWPORT NEWS VA
29.520 / 29.620
WA5WRE POPLARVILLE MS
WB4IUY WENDELL NC
KC4XE WILKESBORO NC
W4ZJM MEMPHIS TN
KA9OTX BECKLEY/BOLT WV
29.540 / 29.640
N4NEQ ATL/MARIETTA GA
WD4IDA WILSON NC
WB4NKM GREENEVILLE TN
NQ4W JACKSON TN
WB8CQV #CHARLESTON WV
29.560 / 29.660
N1BEC BALD CREEK NC
K4GRW NEWPORT NC
WA4YGM UNION CITY TN
29.580 / 29.680
W4MM ALBANY GA
N4BZJ DALTON GA
N4DRL #BYHALIA MS
K4AZA THOMASVILLE NC
WZ8E BLUEFIELD/ONEIDA VA

6 METERS

52.550 / 51.550
WB4JEH #CONYERS GA
53.025 / 52.025
WB4LBR LOUISVILLE KY
52.525 / 52.525
K4AZA THOMASVILLE NC
52.010 / 53.010
WA4IBB ASHLAND KY
N5EKR ELLISVILLE MS
K4GRW NEWPORT NC
WB4LRD CHATTANOOGA TN
WB4NKM GREENEVILLE TN
WA4KOG MEMPHIS TN
WA4BGK NASHVILLE TN
KI4ZR LEXINGTN/ROCK MT. VA
52.030 / 53.030
K4EDU AUGUSTA GA
N1BEC BALD CREEK NC
WA4PEN RALEIGH NC
52.050 / 53.050
KC4JNN #BISKEY MTN GA
WB4UPC PINE LOG MT GA
WA4PXV BOONE/RICH MTN NC
52.070 / 53.070
WB4AEG CARTERSVILLE GA
KD4FWS MOUNT AIRY NC
WB4IUY WENDELL NC
KB4MIC GUM SPRING VA
52.090 / 53.090
KD4DKW ATL/MARIETTA GA
WB4PLA MARS HILL NC
WB8BON ROANOKE/POOR MT VA
52.110 / 53.110
N4XTF GASTONIA/CROWDER NC
WD4GYN OAK RIDGE TN
KB4YKV AMELIA COURTHSE VA
52.130 / 53.130
N4BZJ DALTON GA
WA4FOT HENDERSONVILLE NC
WB4GJG DANVILLE(DCC) VA
52.150 / 53.150
WB4IOB KNXVL/ENG MT TN
WB4DBB BEDFORD/THAX MT VA
52.170 / 53.170
N4RBT CLEVELAND GA
K4AZA THOMASVILLE NC
52.190 / 53.190
WA4JCE COOKEVILLE TN
52.210 / 53.210
N4QLX SALUDA/TOWN MT NC
N4WWB GATE CITY VA
52.230 / 53.230
KD4JFN #PITTSBORO NC
KA4ZKL GUTHRIE (TN/KY) TN
KD4LP MORRISTOWN TN
52.250 / 53.250
WA4PEN RALEIGH NC
WA4YON KNOXVILLE TN
WB4DBB ROANOKE VA
52.270 / 53.270
N4DRL BYHALIA MS
KD4GEU MARSHALL NC
KC4GYM GILBERT SC
52.290 / 53.290
KE4PN PINE LOG MT GA
WD4ICX FANCY GAP VA
52.310 / 53.310
KK4PH CHAPEL HILL NC
KD4PVU ROAN MTN TN
52.330 / 53.330
KD4FVI CRAWFORD GA
AD4CC HIGHLAND HEIGHTS KY
N4ZHC #CLINTON NC
52.350 / 53.350
NU5O MCNAIRY TN
52.370 / 53.370
KD4MYE YOUNGSVILLE NC
52.410 / 53.410
WB4YXY PICKENS SC
52.430 / 53.430
KC4ZIZ JULIETTE GA
52.450 / 53.450
W4VWH #HIGH HOUSE MTN GA
KZ1X CHAPEL HILL NC
WD4KWP GALLATIN TN
52.470 / 53.470
N4UOX DOUGLASVILLE GA
N4OOC ASHEVILLE NC
KE4JYN DISMAL PEAK VA
52.550 / 53.550
WB4JEH CONYERS GA
KD4JGT KNOXVILLE TN
K4RDK MEMPHIS TN
52.570 / 53.570
KD4AOZ WATKINSVILLE GA
52.630 / 53.630
WB8YST CHARLESTON WV
52.670 / 53.670
WA4WRS STATESVILLE NC
52.750 / 53.750
N8PEI MARMET/CHARLESTO WV
52.810 / 53.810
WD4KNE STANTON KY
52.890 / 53.890
KB0Y VALDOSTA GA
52.525 / 145.210
N4ARK NASHVILLE TN
52.330 / 53.330
N4ZHC CLINTON NC

2 METERS

144.610 / 52.525
N4ARK NASHVILLE TN
144.510 / 145.110
W4TUN AUGUSTA GA
N4MXC COCHRAN GA
N4ZCV DOUGLASVILLE GA
KC4UPE LEESBURG KY
K5HYE MENDENHALL MS
W5WA PASCAGOULA MS
K4JTX CHERRYVILLE NC
KB4TOH COLUMBIA NC
W4RXG SAURATOWN MT NC
KD4MYE YOUNGSVILLE NC
WD4JMT MYR BCH/CONWAY SC
NQ4Y COOKEVILLE TN
WD4SBX GRAY TN
WB7BOX JACKSON TN
KC4NNN KNOXVILLE TN
N4ARK NASHVLE/FAIRVIEW TN
K4YPE RICHMOND VA
WD8MCR SALT ROCK WV
144.530 / 145.130
K4SEX NEWNAN GA
KB0Y VALDOSTA GA
N4RBL LOUISVILLE AREA KY
KJ4VF MOREHEAD KY
N5LRQ ROSE HILL MS
WB4YNF AHOSKIE NC
W4ATC RALEIGH NC
KB4CS GREENWOOD/HODGES SC
WB4KIV SUMTER SC
K4CMY CHATTANOOGA TN
NU5O COLLIERVILLE TN
N4SSB GALLATIN TN
KA4OAK LAFOLLETTE TN
KC4KRM #SHELBYVILLE TN
N4VL GALAX/LKOUT MT VA
N8FHE BUCKHANNON WV
144.550 / 145.150
W4MM ALBANY GA
W4AQL ATLANTA GA
KF4LT MILLEDGEVILLE GA
N4TLK MONTICELLO KY
AD4BI PIKEVILLE KY
K5LFP PICAYUNE MS
N4AAY BUXTON NC
W4NHV #LUMBERTON NC
WD4CVM RANDLEMAN/GBO NC
WD8OXE INMAN SC
N4LWY SUMMERTON SC
W4RJC DECATUR-PONE KB TN
W4XS FRANKLIN TN
K0JX MEMPHIS TN
K4ARC GREENBAY VA
KA4IXK RADFORD/RINER VA
KA8SVN CLAY WV
144.570 / 145.170
N4JBF COOLIDGE GA
WA4DIW JONESBORO GA
WD8PRH HALLS GAP KY
N5DWU PETAL MS
KD4MMB ANDSN MT/DENVER NC
N4CTJ LELAND NC
AC4UO OXFORD NC
W4TUN AIKEN SC
NU5O BRUCETON TN
WB4GBI KNOXVILLE TN
KA0BRN MEMPHIS TN
WB4LHO MURFREESBORO TN
WA4ZUA NORFOLK VA
WF1G BECKLEY/BOLT WV
144.590 / 145.190
WB6RTH #ATLANTA GA
WA4EQL JESUP GA
WB0QGH LAWRENCEVILLE GA
WB4ULJ PINE MT/HAMILTON GA
KB4SQI SALYERSVILLE KY
WB5UVT BOONEVILLE MS
W5CJR HATTIESBURG MS
KA4SQN JACKSONVILLE NC
WA4BVW MT MITCHELL NC
N4OTT CARTHAGE TN
KD4XX JASPER TN
WB8YJJ RICHWOOD WV
WB8JGY WHEELING WV
144.610 / 145.210
KD4DTA EASTMAN GA
W4PSZ FAYETTEVILLE GA
WD8PRH LEXINGTON/GRGTWN KY
WA5WRE POPLARVILLE MS
K4OLC HIGH PEAK MTN NC
WB4TQD TRENTON NC
KE4VD LEXINGTON SC
W4BBB KNOXVILLE TN
W2GLJ MEMPHIS TN
N4ARK NASHVILLE TN
W2MS KILMARNOCK VA
KD4UZN POUND VA
WB4QOJ ROANOKE/POOR MT VA
N4RAG WINCHESTER VA
WB8FEQ HUNTINGTON WV
KD4APH PENSACOLA, FL ZZ
144.630 / 145.230
WB4JEH CONYERS GA
KB0Y CORDELE GA
KS4BS DALTON GA
WD4COL WAYNESBORO GA
WD8PRH LOUISVILLE KY
N4VBH BEULAVILLE NC
W4BFB CHARLOTTE NC
KD4IHW RESEARCH TRI PK NC
KE4CES #JACKSON TN
KJ4RA LAVERNE TN
KB4KIE MAYNARDVILLE TN
WB4DBB BEDFORD VA
W4MT NEWPORT NEWS VA
N8FWL BECKLEY/OAK HILL WV
144.650 / 145.250
N4YYD CHATSWORTH GA
WA4BLQ CLAYTON GA
KJ4GL SCOTTSVILLE KY
KC4SJE GREENSBORO NC
WA4USN CHARLESTON SC
KD4YFB #UNION SC
K4PHT DAYTON TN
N4WXS ERWIN/PINNACLE TN
N4CZJ BEAVERDAM VA
KD8XK BLUEFIELD VA
KB8ODO SOUTH CHARLESTON WV
144.670 / 145.270
AD4ID SANDERSVILLE GA
KE4PN WALESKA/PNLGMT GA
N4TY MORRILL DATA 120 KY
N5NBG WALLS MS
KB5DZJ WIGGINS MS
K4ROK FARMVILLE NC
WA4KNI HENDSVL/BERWLW M NC
KM4AR MIDWAY NC
N4BQF RALEIGH NC
KC4GYM WEST COLUMBIA SC
WB4WZK HENDERSONVILLE TN
KD4CLA PIGEON FORGE TN
KC4SKE MARION VA
N8FMD CRAIGSVILLE WV
144.690 / 145.290
NK9Q ATLANTA GA
N4MWQ #AUGUSTA GA
WD4ELX LOUISVILLE KY
WJ5L VICKSBURG MS
W4BFB CHARLOTTE NC
KO4XC CLAYTON NC
N4GGD GREENSBORO NC
K4VCM CHATTANOOGA TN
WB4SQC JOHNSON CITY/HOL TN
WD4FFM RIDGETOP TN
K4NDH CHESAPEAKE VA
KA8ZXP GLENVILLE WV
144.710 / 145.310
KA4CEK COLUMBUS GA
WA4JDR STOCKBRIDGE GA
N4TY MORRILL DATA 960 KY
WB5GOJ CHATAWA MS
KC4WPM BAKERSVILLE NC
N4QAA GREENSBORO NC
KB4GY BEAUFORT SC
AA4PF ROCK HILL SC
WA4PNI ATHENS TN
KF4SC JACKSON TN
KC4ECD LAFAYETTE TN
N8FCJ BECKLEY/LAYLAND WV
144.730 / 145.330
WA4OGE JONESBORO GA
KN4YX VERSAILLES KY
N4DRL BYHALIA MS
KA5CYR GULFPORT MS
KD4J MOUNT AIRY NC
KK4YP PIKEVILLE NC
WA4DFP BAMBERG SC
WD4DBJ CUMBERLAND CITY TN
WA4TEM KNOXVILLE TN
WA4QQI FARMVILLE VA
NS3F NORFOLK VA
WF8M WILLIAMSON WV
144.750 / 145.350
W4DOC ATLANTA GA
W4FGQ FLINTSTONE GA
KD4GLI ELIZABETHTOWN KY
KD4DAX #MOUNTAIN ASH KY
KA5WMH OLIVE BRANCH MS
N5ZMZ UTICA MS
WA4AOS CHARLOTTE NC
WD4JPQ GREENVILLE NC
NQ4Y HUMBOLDT TN
WD4JYD NOLENSVILLE TN
NA4ZJ BLAND VA
W8GK CHARLESTON WV
W8SP FAIRMONT WV
144.770 / 145.370
AA4UA AUGUSTA GA
KB4IZF JASPER GA
W4BKM MACON GA
KD4PWK RICHMOND KY
KA5NNX HATTIESBURG MS
N5PYQ SOUTHAVEN MS
N4AGN N. WILKESBORO NC
WA4MII OXFORD NC
K4PPD SHALLOTTE NC
KB4KIE KNOXVILLE TN
KB4ZOE SMITHVILLE TN
KC4RBA FOREST VA
KC4TOG GLOUCESTER VA
N8TNB BECKLEY/EOC WV
K8VNQ PARSONS WV
144.790 / 145.390
K4HYB GRIFFIN GA
KC4KDZ FRANKFORT KY
KA5RPB CORINTH MS
KB5KGE JACKSON MS
AB4DG MONROE/UCARS NC
KM4OX ROSEBORO NC
WB4FOH CANADYS SC
W4AM CHATTANOOGA TN
W4CUJ GREENEVILLE TN
WB4DOR LEBANON TN
K4ARO ROANOKE/POOR MTN VA
WD8EOM WESTON WV
144.810 / 145.410
W4PME ATLANTA/BELL GA
NA4I #AUGUSTA GA
KB4PXX BRNSWK/JEKYLL IS GA
WA8PBW COVINGTON KY
WA4MXO JACKSON KY
KC5IF D'IBERVILLE MS
N5DWU MERIDIAN MS
N4XO HIGH POINT NC
KA4KNU WILLIAMSTON NC
N4VIH DOVER TN
WB4NKM GREENEVILLE TN
NQ4Y HOBBS HILL TN
K2QIJ WILLIAMSBURG VA
N8FHE BUCKHANNON WV
W8HYX LIBERTY WV
KB8CM UNION WV
144.830 / 145.430
KA4EIM JESUP GA
WB4OLL MACON GA
K4LCI MARIETTA GA
KA5LVU COLUMBUS MS
W4PET LUMBER BRIDGE NC
K4ITL SPARTA/GREEN MT NC
KC4GYM GILBERT SC
KB4YTU BROWNSVILLE TN
WA4UCE COOKEVILLE TN
WB4YLC KNOXVILLE TN
NU5O SPOT TN
AD4OV COEBURN VA
W4SQT RICHMOND VA
WS8L CHARLESTON WV
K8LG MORGANTOWN WV
144.850 / 145.450
W4BOC DECATUR GA
KC4TX LEXINGTON KY
N5RMZ SHARON MS
WD4PLY CROWDERS MT/GAST NC
WA4WTX DURHAM NC
K4GRW NEWPORT NC
K4SIR BENTON TN
WA4KOG COVINGTON TN
KD4LP MORRISTOWN TN
KE4KO #MT PLEASANT TN

AA4HQ SALUDA VA
N8LGY GRANTSVILLE WV
WB8SXZ WELCH WV
144.870 / 145.470
KF4UM RICEBORO GA
N4CLA SWEAT MT/MARIETT GA
WB4GGH BARDSTOWN,NELSON KY
WA4WMM MAYSVILLE KY
NU50 OXFORD MS
N5DWU VOSSBURG MS
W4OIX KINSTON NC
W4NC SAURATOWN MT NC
KN4RG GAFFNEY SC
WB4GBI KNOXVILLE TN
WD4OMO MOUNTAIN CITY TN
N4ARK NASHVILLE TN
KJ5CO OAKFIELD TN
N4ZCM CLARKSVILLE VA
W8FG RICHWOOD WV
144.890 / 145.490
W4DV AUGUSTA GA
KA4WUJ CORDELE GA
WA4QPL MARIETTA GA
W4KVK HENDERSON KY
WB4CWF NICHOLASVILLE KY
N5VGK FULTON MS
N5DWU RICHTON MS
NT4K FRANKLIN NC
AC4DZ GIBSONVILLE NC
K4BWC RALEIGH NC
KA4ABW RKY RDG/WALLACE SC
WB4LHO MCMINVL/SHT MT TN
WA4KOG MEMPHIS TN
W8MOP BLUEFIELD VA
WA4OHX NEWPORT NEWS VA
W8MOP BLUEFIELD WV
WV8G PARKERSBURG WV
146.010 / 146.610
W4CVY COLUMBUS GA
WB4JEH CONYERS GA
WD4KWV CORBIN KY
WA4PVV MADISONVILLE KY
KB5RQL LAUREL MS
K4SNI GREENSBORO NC
WD4JMS NEW BERN NC
KC4WIF ELLOREE SC
W4NYK GRNVLE/CSRS HD SC
K4CMY CHATTANOOGA TN
WA4PCD NASHVILLE TN
K4LSP ABINGDN/BRMLY MT VA
WA4YSE CHESAPEAKE VA
W4WWQ LYNCHBURG VA
WB8MZI GASSAWAY WV
146.025 / 146.625
WA4UPE ATL/UNION CITY GA
N4UJT ELBERTON GA
KE4ZZ VIDALIA GA
K4ULW WEBSTER KY
KE5WO PORT GIBSON MS
KI4RR LAURINBURG NC
AC4IP CHESTER SC
WB4GBI KNOXVILLE TN
N4ABU MARTIN TN
WF1G FLAT TOP/WINTRPL WV
146.040 / 146.640
WB4QGR ATLANTA GA
N4MWQ AUGUSTA GA
W4FWD CARROLLTON GA
KD4CEX WAYCROSS GA
WA4UXJ CANE VALLEY KY
WF4N #CENTRAL CITY KY
WA4YZY #PINEVILLE KY
N5NIL MADISON MS
WB5NAY MOOREVILLE MS
WB4YAO HENDERSONVILLE NC
W4DW RALEIGH NC
W4NC WINSTON-SALEM NC
KB4CIH SUMTER SC
WB4KQQ #MEMPHIS TN
WB4NTM NASHVILLE W TN
KA4QYI ROCKWOOD/MT ROOS TN
W4WIC FINCASTLE VA
N4QLF MARION VA
WB4QEY RICHMOND VA
WB8EZR HUNTINGTON/CHAS WV
146.055 / 146.655
N4NFP ATLANTA/MARIETTA GA
WD4MNI BOWLING GREEN KY
WD4DZC DANVILLE KY
K4CEB CONCORD/KANNAP. NC
WA4VTX ELIZABETH CITY NC
KB4RRC BEAUFORT SC
N4RYR ALCOA TN
KD4AOK BROWNSVILLE TN
W4AM CHATT/SIGNAL MT TN
KM4ME LAWRENCEBURG TN
WA4ISI ALTAVISTA VA
N8ZPX FLATWOODS WV
KB8BUC UPPER TRACT WV
146.060 / 146.660
W4BKM MACON GA
146.070 / 146.670
W4NSO GAINESVILLE GA
K4VHF HAZARD KY
W4KBL PRINCETON KY
N5CAX NEW ALBANY MS
KB5ZCX PURVIS MS
K4FHB BURLINGTON NC
WA4BKU CHERRY MT NC
AD4DN WILMINGTON NC
AD4U ST. MATTHEWS SC
WB4DKI BRISTOL TN
K4BGW LAFOLLETTE/WMT TN
WB4NTM NASHVILLE W TN
K4HZS DUBLIN VA
W4NTG WILLIAMSBURG VA
WD8JNU RAVENSWOOD WV
146.085 / 146.685
WD4IWL ADAIRSVILLE GA
K4UWN FAYETTEVILLE GA
KC4ZY LEXINGTON KY
W5KHB NATCHEZ MS
W4NBR GRIFTON NC
WA1EHL STATESVILLE NC
KB4CO NEWBERRY SC
KB4PIO WALLAND TN
WA1ZMS #BEDFORD/APL ORC VA
N8FMD CLARKSBURG WV
N8TXQ DANVILLE WV
146.090 / 146.690
KN4KQ #OWENSBORO KY
146.100 / 146.700
W4MM ALBANY GA
W4OOM JASPER GA
WB4DOJ MILLEDGEVILLE GA
KK4TO SAVANNAH GA
W4BDC BROOKS KY
KF4JO GRAYSON KY
WA4YGM UNION CITY (TN) KY
K5GY BAY ST. LOUIS MS
WB5LVA GRENADA MS
W5DEJ MERIDIAN MS
N4CID DUNN NC
W4PAX LANCASTER SC
KB4QGK ANDERSON CTY TN
W4UOT MANCHESTER TN
WB4MMI RAMER TN
WA4YGM UNION CITY TN
KM4AU DANVILLE/WHT OAK VA
NE4D NORFOLK VA
KK4QS PENNINGTON GAP VA
W4XD STAUNTON VA
WD8JNU RAVENSWOOD WV
146.110 / 146.710
KF4FO HOPKINSVILLE KY
146.115 / 146.715
K4NVG LAVONIA GA
W4ABZ RINGGOLD GA
KI4B BEREA KY
KA5TQY GREENWOOD MS
N4GGN MILLERS CREEK NC
WB4KDC SPRING LAKE NC
WB4NEP COLUMBIA SC
KB4JUB SALTILLO TN
AB9I BLACKSBURG VA
KA4DZU WALKERTON VA
KD8GL SHERRARD WV
146.130 / 146.730
W4MM ALBANY GA
KD4NC ATLANTA/SWEAT MT GA
K4TVE BRUNSWICK GA
AC4AO LEXINGTON KY
AA4NI #NEBO KY
KC5IF BILOXI MS
W5VZF STARKVILLE MS
K4BWC RALEIGH NC
W4EXU SALISBURY NC
W4VNK WILMINGTON NC
K4FKJ N. AUGUSTA SC
WD4BJY SIMPSONVILLE SC
WB4IOB KNXVL/ENG MT TN
N4DON MEMPHIS TN
KD4EHL WATERTOWN TN
K4DHO HAMPTON VA
WB8SPW LEWISBURG WV
146.145 / 146.745
WA4BKF ATHENS GA
WA4TTC GREENVILLE KY
NN4N DILLON/PEE DEE SC
WB4RCK DYERSBURG TN
AA4UP OLIVER SPRINGS TN
KC4DY ROANOKE/POOR MT VA
WF8U PARKERSBURG (OH) WV
146.160 / 146.760
W4BOC STONE MT GA
N4NQG VALDOSTA GA
K4KJQ LEXINGTON KY
K4CUW PADUCAH KY
W5AXQ JACKSON MS
WA4BVW ASHVL/MT PISGAH NC
N4GGD GREENSBORO NC
KO4S SWANSBORO NC
WB4THL WILSON NC
K4ESG MT PLEASANT SC
K4LSP BRISTOL/HLSTN MT TN
W4POP NASHVILLE TN
WA4TFZ CHARLOTTESVILLE VA
KB4ZIN WILLIAMSBURG VA
W8VA HUNTINGTON WV
W8CUL MORGANTOWN WV
W8ZQ WHEELING WV
146.175 / 146.775
N4NFP MARIETTA GA
KB4NA WRENS GA
W4PPM MIDDLESBORO KY
KJ4OG TOMPKINSVILLE KY
KC4TK! VANCEBURG KY
WB5TJK HATTIESBURG MS
K4JYH SOUTHPORT NC
KC4GYM COLUMBIA SC
NU5O FRUITLAND TN
WA4AUX PULASKI/MUSIC MT TN
WB3T WYTHEVILLE VA
KB8BWZ ELKINS WV
146.190 / 146.790
KD4GEY FOLKSTON GA
WD4KOW MOULTRIE GA
K4SEX NEWNAN GA
K4VYX SWAINSBORO GA
W4YWH HIGHLAND HEIGHTS KY
AK4U PAINTSVILLE KY
K5TYP BILOXI MS
KO5S WEST POINT MS
K4OAR CLINTON NC
KK4AT SAURATOWN MT NC
W4FVV ANDERSON/SAS MT SC
WA4USN CHARLESTON SC
W4AM CHATTANOOGA TN
W4ABR JOHNSON CITY TN
W4SQE NASHVILLE TN
N4SD CHESAPEAKE VA
NM8T OAK HILL WV
146.205 / 146.805
KC4ZGR MACON GA
KA4NNE GUTHRIE KY
WD8PRH HAZARD KY
KF5C STARKVILLE MS
KJ5OB VICKSBURG MS
N4EWG FAYETTEVILLE NC
N0IZF GASTONIA/CROWDER NC
WM3O ORANGEBURG SC
KA4NNE GUTHRIE (TN/KY) TN
WA4HTI COVINGTON VA
147.405 / 146.805
KC4AQS CALHOUN/JASPER GA
KC4ZZC CANTON NC
146.220 / 146.820
W4MM ALBANY GA
W4DOC ATLANTA GA
K4HVK KIBBEE GA
AA4PL DRAKESBORO KY
WB4AIA IRVINE KY
WA5MBA GREENVILLE MS
K5HYE MAGEE MS
WB4PZA ROARING GAP NC
K4GMP WILMINGTON NC
W4NYK GRNVLE/PARIS MT SC
WB4OAH LAKE CITY TN
W4BS MEMPHIS TN
AB4SW WINCHESTER TN
N4WWB GATE CITY VA
W4RKC WINCHESTER VA
WB8IFS CHARLESTON WV
146.235 / 146.835
KC4GSS THOMSON GA
KA4BLZ LYNN GROVE KY
KC4ZOX SALVISA KY
WB4PLA #ASHEVILLE NC
K4UOR NAGS HEAD/BODIE NC
W4USH WADESBORO NC
KC4UDD CHARLESTON SC
KD4KPV HUNTINGDON TN
N4IDG WATERTOWN TN
KK4EH GRUNDY/BIG A MT VA
N4UTN RUSTBURG/LONG MT VA
KB8EUN GLENVILLE WV
147.435 / 146.835
N4KHQ DAHLONEGA GA
N4NNR HIGH POINT NC
146.250 / 146.850
K4DVJ DALLAS GA
WA4QWI WARNER ROBINS GA
KA4CLL #BOWLING GREEN KY
KM4IV PIKEVILLE KY
K0VNO BAY ST. LOUIS MS
K5JMD BUDE MS
WB5MFK IUKA MS
W5LWC KOSCIUSKO MS
K4CYP GOLDSBORO NC
WA4MDW HICKORY/BRT. MT NC
WA4NNC REIDSVILLE NC
W4ULH FLORENCE SC
WA4KJH GTLBG/COVE MTN TN
WA4KOG MEMPHIS TN
W4AY NASHVILLE TN
W4POX PORTSMOUTH VA
WA4ZBP STAUNTON VA
WA8WDK BECKLEY/FLAT TOP WV
WD8L BUCKHANNON WV
146.265 / 146.865
WB4DKY MADISON GA
AC4UW RICHMOND KY
KB4YF LAURENS SC
AC4AA CROSSVILLE TN
KN4KP TRENTON TN
KC4MAI WISE VA
147.465 / 146.865
N5DWU ELLISVILLE MS
WD8LYN MURPHY/STALCUP NC
WA4ZRS WAXHAW NC
WZ8E MOUNTAIN LAKE VA
146.280 / 146.880
W4CVY COLUMBUS GA
W4IUD MARIETTA GA
WA4NKL QUITMAN GA
W4HBB SAVANNAH GA
W4QAU LOUISVILLE KY
N4AI SOMERSET KY
K5QNE JACKSON MS
N5AAY PASCAGOULA MS
WB4TQD RALEIGH NC
W4NYR SHELBY NC
WB4FOH ORANGEBURG SC
WD4CYZ BRISTOL TN
WA4ETE MEMPHIS TN
WA4PCD NASHVILLE TN
W4SKH OAK RIDGE TN
WD4CYZ BRISTOL VA
WA4ZBE RICHMOND VA
W4PDL SALEM VA
WB8CQV SO. CHARLESTON WV
146.295 / 146.895
WA4RBS HARTWELL GA
N3SM MACON GA
K4JBV FLORENCE KY
KA4YFF MADISON NC
KA4ABW PAGELAND/HIPOINT SC
KD4DUS #DANDRIDGE TN
N4RAG CHARLOTTESVILLE VA
WA4KXV VIRGINIA BEACH VA
WB3T WYTHEVILLE/BLAND VA
147.495 / 146.895
WD4LUQ DALLAS GA
KC4KZT DORTON KY
N5DWU ELLISVILLE MS
146.300 / 146.900
WB4WVH IRVINGTON KY
146.310 / 146.910
WB4HIG CLEVELAND/LONG GA
K4HYB GRIFFIN GA
K4GFY MOREHEAD KY
K5VV HERNANDO MS
K5OCM NATCHEZ MS
WA4ZGQ AHOSKIE NC
W4MOE ASHVL/SPIVEY MT NC
WB4YZF FAYVLLE/CFARS NC
K4IZM LEXINGTON NC
W4BWZ WHITE HALL SC
WB4DQU SAVANNAH TN
W4YXA SHORT MTN TN
N4RKM FARMVILLE VA
K4TUE MT.LAKE/BALD KNB VA
KC8CS MCMECHEN WV
146.325 / 146.925
WA4ASI COVINGTON GA
N4PJR JESUP GA
W4BEJ RADCLIFF KY
WB5VOJ CORINTH MS
KI5WK WAYNESBORO MS
KA4ABW LUCKNOW/BISHOPVL SC
W4GZX CLEVELAND TN
WD4OBW JONESBOROUGH TN
WA4TFZ CHARLOTTESVILLE VA
WB4GJG DANVILLE(DCC) VA
WD8OGY PRINCETON/PIPEST WV
146.340 / 146.940
KT4N AUGUSTA GA
W4VO ROME/MT. ALTO GA
WA4RVB WRIGHTSVILLE GA
KA4OIL ASHLAND KY
W4WZH GLASGOW KY
WB4NTB MURRAY KY
KB5DWX AMORY MS
KA5SBK JACKSON MS
K5JMD MCCOMB MS
W4DLH BURGAW NC
W4BFB CHARLOTTE NC
KC4VM MANTEO/WANCHESE NC
AC4NZ MOUNT AIRY NC
KD4PBC CHARLESTON SC
W4IQQ GREENVILLE SC
WB4GBI KNOXVILLE TN
N4BSM MEMPHIS TN
WA4PCD NASHVILLE RATS TN
K4UMI HAMPTON VA
W4ZA RICHMOND VA
N4AP ROANOKE VA
KD8AB FENWICK WV
W8CWO WEIRTON WV
146.355 / 146.955
K5PRE BLAIRSVILLE GA
AC4MU PERRY GA
W4WZH GLASGOW KY
N5EKR ELLISVILLE MS
KC5OB ISOLA MS
KD4WAR BURNSVILLE NC
WD4AVP ROCKINGHAM NC
WZ8E BLUEFIELD/ONEIDA VA
146.370 / 146.970
K4CLJ ATLANTA GA
W4HBB SAVANNAH GA
K4DPP HENDERSON KY
WD8PRH STANTON KY
KI5ZH PASCAGOULA MS
N5DHS WINONA MS
N4XRY MOUNT AIRY NC
KD4JQ SMITHFIELD NC
N4SZ ANDERSON SC
WA4ISM FLORENCE SC
W4TRC KNGSPT/BAYS MT TN
WD4MWQ MCMINNVILLE TN
WA4RWK MEDINA TN
W4SKH OAK RIDGE TN
W4WRN STAUNTON VA
WA4KXV VIRGINIA BEACH VA
KJ8E LOGAN/WARD RK MT WV
N8NBL PARKERSBURG (OH) WV
146.380 / 146.980
W4BEJ ELIZABETHTOWN KY
146.385 / 146.985
NA4I AUGUSTA GA
KC4ZGN ELLIJAY/TALONA M GA
KA4UUB ST. MARYS GA
KN4FE WARM SPRINGS GA
N4SEI #JOHNATHAN CREEK KY
N5LRQ COLLINS MS
KB5DMT SENATOBIA MS
K4OGB ALBEMARLE NC
WD4PVE MARION NC
KC4PRD GOODLETTSVILLE TN
KK4MW DANTE/HAZEL MTN VA
W4CA ROANOKE/POOR MT VA
KF8LL NEW MARTINSVILE WV
146.390 / 146.990
WB4LBI #NICHOLASVILLE KY
146.400 / 147.000
WA4NNO ATLANTA GA
K5UFH CORINTH MS
WB5QFX WATER VALLEY MS
WD4FVO JACKSONVILLE NC
K4AZA THOMASVILLE NC
W4YLT MARION SC
WB4YXZ PICKENS SC
KD4CWB KNOXVILLE TN
W4ZJM MEMPHIS TN
WA4HMT SUFFOLK VA
K8WMX ST ALBANS WV
147.600 / 147.000
KE4LR SHELBYVILLE KY
KG4M WILLIAMSBURG KY
KA5GOU COLUMBUS MS
WA4CBX BLOUNTVILLE TN
WD4SGA CLARKSVILLE TN
KE4QS COLLEGEDALE TN
N8TWU ELIZIBETH WV
KD8ZR TERRA ALTA WV
146.415 / 147.015
N4GIS CARTERSVILLE GA
N4YSB YADKINVILLE NC
AB4M LYNCHBURG VA
K4AXO NORTON/HIGH KNOB VA
147.615 / 147.015
KM4DT BONAIRE GA
KF4UM HINESVILLE GA
AD4RU IRVINE KY
N5JHK MONTICELLO MS
KD4MYE RALEIGH NC
KQ7E SUMTER SC
WD4JVV LEBANON TN
KJ4ZQ #NASHVILLE TN
AA4KS ROCKWOOD/MT ROOS TN
WA4YGM UNION CITY TN
146.430 / 147.030
WV5D LAUREL MS
K4YTZ ROCK HILL SC
N4DRL GRANDJUNCTION TN
WD4MVR LEXINGTON TN
WA4JST RICHMOND VA
147.630 / 147.030

REPEATER INDEX LISTINGS BY FREQUENCY . . . continued

W4REI ATLANTA/AIRPORT GA
WA4ZVL HOPKINSVILLE KY
W4PJZ LOUISVILLE KY
W5LDD OCEAN SPRINGS MS
W4GG GREENSBORO NC
AA4SJ ROANOKE RAPIDS NC
WA4FOF BARNWELL SC
K4HOG N. MYRTLE BEACH SC
KE4AHW FAYETTEVILLE TN
N4DRL GRAND JUNCTION TN
KD4LP MORRISTOWN TN
KC8IT MULLENS WV
WB8ECC ST MARYS/BENS R WV
147.640 / 147.040
KD4DTD WINFIELD AL ZZ
146.445 / 147.045
K4AIH ANDREWS/ROBBINSV NC
WA4FLR FAYETTEVILLE NC
KB8LFJ CHARLESTON WV
147.645 / 147.045
K4SES DOUGLAS GA
KD4AOZ WATKINSVILLE GA
KJ4VF GRETHEL KY
KB5LCL POLKVILLE MS
N1BEC BALD CREEK NC
WA1EHL STATSVL/ASBRY MT NC
K4AYN NASHVILLE TN
WD4FOZ STAUNTON/EL. KB VA
WA4SBC VIRGINIA BEACH VA
N3SBK DELTONA, FL ZZ
146.460 / 147.060
W4CQ CHARLOTTE NC
KD4LDU CHARLESTON TN
WD4LBM SOUTH BOSTON VA
KA8PNC PRINCETON WV
147.660 / 147.060
WA4DDI MACON GA
N4CLA ROSWELL GA
W4UCJ THOMASVILLE GA
W4WQ PADUCAH KY
N5OCF RICHTON MS
WA4LED MACO NC
W4VFR SUMTER/SHAW SC
KB4UG GRNVLE/VIKING MT TN
WA4MQQ MEMPHIS TN
N4VFB SHELBYVILLE TN
WB4VWR ENON VA
N8ZAR BUCKHANNON WV
147.670 / 147.070
N4NMC LOUISVILLE KY
147.675 / 147.075
WD4JXR LAWRENCEVILLE GA
WB4CJB PEMBROKE GA
N4TLP OWINGSVILLE KY
NC5Y JACKSON MS
KD4JFN BURLINGTON NC
AG4L NEWTON NC
WO4E GREENBRIER TN
WB4GBI KNOXVILLE TN
NU5O MCNAIRY TN
KS4DJ NORFOLK VA
W4PNT WAYNESBORO VA
KE8MR MORGANTOWN WV
147.690 / 147.090
KC4YHM EATONTON GA
KA4CVE ST SIMONS ISL GA
KJ4YK PHELPS KY
KB5DSN AMORY MS
N5MRS NEW HEBRON MS
W4GDF GREENVL/ESTN NC NC
KM4RP ORANGEBURG SC
K4JLA SPARTANBURG SC
KA4ATI GERMANTOWN TN
K4NLP JAMESTOWN TN
N4VL GALAX/BRIRP MT VA
N4TZE OILVILLE VA
147.705 / 147.105
K4YSB ATLANTA GA
NC4D STATESBORO GA
KA4KFD CALVERT CITY KY
WA4ZAC HARLAN KY.
K9ZK #HAWESVILLE KY
KB5SAR WAYNESBORO MS
N4WET BOONE/DYER HILL NC
KM4OX BROADWAY NC
WA4KNI HENDERSONVILLE NC
K4JCK MONROE NC
KD4NEB CLEVELAND TN
K4TC HENDERSON TN
N4IDG LEBANON TN
WB4JBJ BEDFORD VA
KL7SR CHESAPEAKE VA
WT8Z SPENCER WV
147.720 / 147.120
W4MM ALBANY GA
NI4S AUGUSTA GA
W4CMA CEDARTOWN GA
K4HCA CLARKESVILLE GA
WB4ASZ WINCHESTER KY
NO5N ACKERMAN MS

W4REW #GASTONIA/SPCR M NC
WN4Z ROCKY MOUNT NC
WD4JMT MYRTLE BEACH SC
WA4ZYX COLUMBIA TN
N4WAH MEMPHIS TN
K4EAJ OAK RIDGE TN
KN4DE COLLINSVILLE VA
WB8DKM BRIDGEPORT WV
N8TXQ MADISON WV
147.735 / 147.135
N4BZJ DALTON GA
K4FRM MILLEDGEVILLE GA
KB0Y VALDOSTA GA
KB5UIX SOSO MS
K4GBH BREVARD NC
KM4GN WILMINGTON NC
KA4ABW CHERAW SC
WB4EDS ALAMO TN
N4AZJ PEARISBURG VA
N4HB RICHMOND VA
KE8MR DAVIS WV
147.750 / 147.150
WB4TFW ALBANY GA
K4BYK CUMMING/SAWNEE GA
WB5HKK JACNITO MS
KF5IZ PEARL/RANKIN CO MS
K4VLY MORGANTON NC
WB4TQD RALEIGH NC
WD4NUN MONCKS CORNER SC
WA4SDT SIMPSONVILLE SC
WA4PCD NASHVILLE TN
K4EAJ OAK RIDGE TN
KM4FV #RICHLANDS VA
KA8SVR ST ALBANS WV
147.765 / 147.165
K4SES DOUGLAS GA
KB4KIN FORSYTH GA
WA4HBM LEXINGTON KY
WB4UBY PRESTONSBURG KY
KB4MFP HIGH POINT NC
KD4PBK LUMBERTON NC
K4VIA GREENWOOD SC
AC4QF ERWIN/UNICOI CO TN
WA4CEX PURYEAR TN
W8CXD FOREST VA
WB4CTF NEWPORT NEWS VA
WC8K WESTON WV
147.780 / 147.180
N4BMA AUGUSTA GA
WD4NHW BALDWIN GA
WB4BDP WARNER ROBINS GA
WM4H BAXTER KY
W4CN LOUISVILLE KY
N4OOC ASHEVILLE/FLATTP NC
WB4EJJ SANFORD NC
N4CTJ WILMINGTON NC
AA4SC FORT MILL SC
WA4HNK SUMMERVILLE SC
WD4DES CLEVELAND TN
WA4KOG MEMPHIS TN
K4ZGA NASHVILLE TN
KB4YKV AMELIA COURTHSE VA
WB3S PKS KB/PULASKI VA
WD8OHX LEON WV
147.795 / 147.195
K4JPD ATLANTA GA
W4UCJ BOSTON GA
KJ4VF LEXINGTON KY
KA5FYW SUMRALL MS
KM4OX CASTORIA NC
N4NIN LENOIR NC
W4PNZ FLORENCE SC
KC4FV ARNOLD A.F.B. TN
KA4AZQ KNOXVILLE TN
WA4RTS LYNCHBURG VA
N3ELM SMITHFIELD VA
NV8H HORSEPEN MT WV
147.810 / 147.210
N4EMM CONYERS GA
KC4WHD #LOOKOUT MTN GA
KK4TO SAVANNAH GA
N4UDV BLACK MOUNTAIN KY
K4HY OWENSBORO KY
N5SPJ UNION MS
W4BUZ GREENSBORO NC
W4NTQ WHITEVILLE NC
K4AVU LITTLE MT. SC
N4WS COOKEVILLE TN
W4WKZ JACKSON TN
KB8NJH AMBER RIDGE WV
N8FMD CLARKSBURG WV
147.825 / 147.225
KB4ZUN COMMERCE GA
KA4LVY SUMMERVILLE GA
KB4NFK LITCHFIELD KY
N4DRL BYHALIA MS
W5OXA D'IBERVILLE MS
WA4WTX HILLSBOROUGH NC
N4OOC MORG WALKER TOP NC
W4DTW SANTEE SC

WB4OAH MORRISTOWN TN
KA4VXR HAMPTON VA
N4RAG HARRISONBURG VA
WB8NRK PRINCETON WV
147.840 / 147.240
WB4NFG IRWINTON GA
KD4POG #THOMASVILLE GA
KA4DII ASHLAND KY
WB4BHM FARMINGTON KY
KC4AI FRANKFORT KY
N5ELS TUPELO MS
W2SE CARTHAGE NC
K4PBG FOREST CITY NC
W4GHZ FRANKLIN NC
W4ILN HILTON HEAD SC
AC4VT LANCASTER SC
WD4BKY GALLATIN TN
N4MGQ ELK CRK/IRON MTN VA
AA4OG LUNENBURG CT.HSE VA
147.855 / 147.255
WD4KDT ATLANTA GA
N4IOX DIXON KY
K4CO HIGHLAND HEIGHTS KY
KC5RC LAUREL MS
KJ4AV ASHEBORO NC
WA4KNI HENDSVL/PENIC/MT NC
N4HL LEESVILLE SC
WA4BZU NASHVILLE TN
KJ4SI PETROS/FRIZ HD MT TN
WA4TVS ACCOMAC VA
WD4CYZ DANTE VA
KB8EQG HINTON WV
WA8LLM PARKERSBURG WV
147.870 / 147.270
WD4EBB AMERICUS GA
WA1KMS #COVINGTON GA
N4KWT LOUISVILLE KY
WA4GSB ST. CHARLES KY
WB5USN ABERDEEN MS
WB5YKR VICKSBURG MS
W4CQ CHARLOTTE NC
AK4H RALEIGH BENSON NC
N4SM WAYNESVILLE NC
WB4LET CHARLESTON SC
WA4JRJ SENECA/LONG MT SC
WA4YQC GALLATIN TN
WB0TMC JACKSON TN
KE4FH JOHNSON CITY TN
WB4IKL GUM SPRING VA
KB4QWO ROANOKE/POOR MTN VA
WC8S SCOTT DEPOT WV
147.885 / 147.285
WA4VBX ATLANTA/GPCO GA
WD4LYV CHULA GA
KC4ZFH LONDON KY
KA4FGA MARION KY
N5SPF COLUMBIA MS
KB5TGA CORINTH MS
N4ADM AIKEN SC
AC4AM MYB BCH/BRKSVIL SC
WD4MGM WHITE OAK MTN SC
K4PUX PIKEVILLE TN
NU5O SPOT TN
KD4QWD MARTINSVILLE VA
N8HON SPRUCE KNOB WV
147.900 / 147.300
WB4YSV ROME GA
AC4MU WARNER ROBINS GA
K4ICN ALLEN KY
WA4SJH SPRINGFIELD KY
KB5MPW #BAY ST LOUIS MS
KA5LNY MAGEE MS
KK4X #JEFFERSON NC
N4JEX KANNAPOLIS NC
W4MZP RED SPRINGS NC
KA4YGX TUCKASEGEE NC
WA4UQC WILSON NC
K4ESG AWENDAW SC
W4BBB KNOXVILLE TN
WA4ADT MEMPHIS TN
WB4ZSA NASHVILLE TN
K4SPS FRANKLIN VA
KI4ZR LEXINGTON VA
WB8NSL HARRISVL/PENSBRO WV
147.915 / 147.315
N4REB TWIN CITY GA
KC4TX #HODGENVILLE KY
N4IL SALEM KY
K4JYH SAURATOWN MT NC
K4PPD SHALLOTTE NC
N4UZT N. SPARTANBURG SC
N4ARK #MURFREESBORO TN
KD4HZN ROGERSVILLE TN
K4HWQ GRUNDY VA
147.930 / 147.330
WB4BXO LAGRANGE GA
KK4TO SAVANNAH GA
KA4DIP TOCCOA GA
WA8KWH ASHLAND KY
KA4CFW BOWLING GREEN KY

WD4KNE MT. STERLING KY
N4IUI PROVIDENCE KY
KA5CYR MCHENRY MS
N5EPP PHILADELPHIA MS
W4LPL FAYVLLE/FT BRAGG NC
KN4K LENOIR/HIBRITN NC
KD4KAO COLUMBIA SC
WA4VXW COVINGTON TN
WD4ORB MORGAN COUNTY TN
KI4ZR LEXNGTN/ROCK MT. VA
KA4ZIP WARSAW VA
147.945 / 147.345
WA4NEQ ATLANTA/MARIETTA GA
N4PJR JESUP/SCREVEN GA
N4IZD LYNCH/BLACK MT KY
KG5SF GREENVILLE MS
N5ZMZ UTICA MS
KC4YRH MADISON NC
W4NYR SHELBY NC
WA4TEP WASHINGTON NC
K4UVH HENDERSONVILLE TN
NM4L ABINGDON VA
WA4ZBF YORKTOWN VA
W3RUA FRANKLIN WV
NU8K LOGAN/SUMERCO WV
147.960 / 147.360
WA4CLC DOUGLASVILLE GA
WA4HZX DUBLIN GA
KQ9Z LOUISVILLE KY
W5CJR HATTIESBURG MS
KB5PKU LOUISVILLE MS
K5SVC NATCHEZ MS
WA4KDB BOONE/RICH MTN NC
WD4LDB DURHAM NC
W4PET LUMBERTON NC
N4EOY COLUMBIA SC
KA4OAK LAFOLLETTE TN
W4BS MEMPHIS TN
WB4NTM NASHVILLE TN
K4KLX PARIS TN
KA4CBB CHESTERFIELD VA
KB4OLM STUARTS DRAFT VA
KA8GOH MIDDLEBOURNE WV
147.975 / 147.375
K4TQU ATHENS/CRAWFORD GA
KB4VAK #LAFAYETTE GA
K4CO WALTON KY
KA5VFU GULFPORT MS
KD4WAR BURNSVILLE NC
KD4JFN #PITTSBORO NC
W4DCD TABOR CITY NC
WD4JMT GEORGETOWN SC
K4LEO GREENVILLE SC
KN4HL DICKSON TN
KB4ILD LYNCHBURG VA
W4NV VIRGINIA BEACH VA
WD8LNB GRAFTON WV
K8WMX ST ALBANS WV
147.980 / 147.380
WB5NAY PONTOTOC MS
147.990 / 147.390
K4IMK THOMASTON GA
WA8PBW COVINGTON KY
WD8ACR CRESTWOOD KY
AB5SO FOREST MS
WA4CHZ AQUADALE NC
WD4PLY CHARLOTTE NC
WB4IUY CLAYTON NC
WA4QBG EDEN/STONEVILLE NC
N4FAU SHALLOTTE NC
KA4FEC LEXINGTON SC
AA4TA #CLARKSVILLE TN
WA4UEU DAYTON/RHEA CTY TN
WA4BJY OAKFIELD TN
K4ARO PETERSBURG VA
WV8D LEWISBURG WV
WD8CYV PARKERSBURG WV
146.190 / 147.510
WA4HBY MEMPHIS TN
147.075 / 147.675
K4NGQ FRANKFORT KY
146.175 / 147.775
WA4SIS #RALEIGH NC
147.315 / 147.915
W4STJ #FORSYTH GA

220 MHZ

222.180 / 223.780
WD8OHX #LEON WV
222.300 / 223.900
WB4RAB HERMITAGE TN
222.320 / 223.920
KC4UXD AUGUSTA KY
222.340 / 223.940
KC4QK ASHLAND KY
KF4GP CLARKSVILLE TN
W4ZJM MEMPHIS TN
222.380 / 223.980
WB4ZSA GALLATIN TN
222.420 / 224.020

WB4JEH #CONYERS GA
222.440 / 224.040
N4YDX #DALLAS GA
222.460 / 224.060
W4NYR SHELBY NC
222.480 / 224.080
WB4NTM NASHVILLE TN
222.500 / 224.100
WS4F BALDWIN GA
WB4DBB ROANOKE VA
222.520 / 224.120
N4NFP ATLANTA/MARIETTA GA
AA8NA MIDDLESBORO KY
N1BEC BALD CREEK NC
KB4CIH #SUMTER SC
WF1G FLAT TOP/WINTRPL WV
222.540 / 224.140
WB4WORGREENSBORO NC
WB4QHF PICKENS/CSRS HD SC
WD4SGS FRANKLIN TN
KB4YQC CHARLOTTESVILLE VA
WR8M WILLIAMSON WV
222.560 / 224.160
KC4JNN BISKEY MTN GA
KN4K LENOIR/HIBRITN NC
WR3S NASHVILLE TN
222.580 / 224.180
N3GLC BRUNSWICK GA
N4YDX DALLAS GA
KA4NRL CHARLESTON SC
WA1ZMS BEDFORD/APL ORCH VA
222.600 / 224.200
KC4OVY ATLANTA-NE GA
AA4UA AUGUSTA GA
KM4GN WILMINGTON NC
W4ILY GREENVILLE SC
WA4KMG BLOUNTVILLE TN
KB4YTU BROWNSVILLE TN
WB4PEA HAMPDEN-SYDNEY VA
WB4GUG STUART VA
222.620 / 224.220
AD4CR VERSAILLES KY
NF4C ROCKY MOUNT NC
KB4FZK KNXVL/CROSS MT TN
KO4BN SPRINGFIELD TN
KC4MZN WAYNESBORO VA
222.640 / 224.240
N4YYD FORT MTN/CHATSWO GA
WA4KNI HENDSVL/BERWLW M NC
N8FWL BECKLEY WV
222.660 / 224.260
KV4L MARIETTA GA
WA4BVW ASHVL/MT PISGAH NC
WA4WTX HILLSBOROUGH NC
KE4NP SHORT MTN. TN
222.680 / 224.280
N4BLR ATLANTA GA
KA4OAK LAFOLLETTE TN
AB4M LYNCHBURG VA
222.700 / 224.300
KC4NYV TEMPLE GA
KA4MKT LOUISVILLE KY
N4AI SOMERSET KY
WA4PVI STATESVILLE NC
WD4FOZ STAUNTON/EL KNOB VA
222.720 / 224.320
N4MTA ACWORTH/ATL GA
N4JBF THOMASVILLE GA
KA4SQN JACKSONVILLE NC
KJ4X PICKENS/SASFR MT SC
KK4US CLEVELAND TN
222.740 / 224.340
W4DOC ATLANTA GA
K4AZA THOMASVILLE NC
222.760 / 224.360
N4BZJ DALTON GA
WB4PAC GRIMESLAND NC
KA4TYO MARSHALL NC
KB4ZOE NASHVILLE TN
WB8YST CHARLESTON WV
222.780 / 224.380
N4RBT CLEVELAND GA
N4OQJ KNOXVILLE TN
AA4QT RIDGEWAY VA
222.800 / 224.400
WD4JEM MARIETTA GA
N5EKR ELLISVILLE MS
W4BFB CHARLOTTE NC
WB4QHF PICKENS SC
KB4YGI COLLIERVILLE TN
N4RBB MORRISTOWN TN
222.820 / 224.420
WB4YSV ROME GA
AC4AO LEXINGTON KY
W4BS MEMPHIS TN
WD4GSM NORTON/HIGH KNOB VA
KN4DE PATRICK SPRINGS VA
222.840 / 224.440
N4NEQ ATL/MARIETTA GA
WB4GUG GREENSBORO NC

KN4CW WEST SPRINGS SC
N2FUV SEVIERVILLE TN
222.860 / 224.460
AE4AA CALHOUN GA
KB0Y VALDOSTA GA
KC4ZTJ SHELBY NC
WA4YON KNOXVILLE TN
222.880 / 224.480
KB4PRH NORCROSS GA
WA4ZIA LOCUST NC
KC4ZYI CROCKETT RIDGE TN
K4ZGA NASHVILLE TN
222.900 / 224.500
N4MTA ACWORTH/ATL GA
K5TYP BILOXI MS
N4DRL BYHALIA MS
K4YNY WILMINGTON NC
W4BBB KNOXVILLE TN
WB4YJC MARTINSVILLE VA
222.920 / 224.520
KE4AIS PINE LOG MTN GA
KA5RPB CORINTH MS
K4RWN LITTLE MTN SC
WD4OBW JONESBOROUGH TN
WA4ONG RICHMOND VA
222.940 / 224.540
N4YEA DALLAS GA
WA4BVW MT MITCHELL NC
222.960 / 224.560
W4DOC ATLANTA GA
KD4RXF LANCASTER KY
W4EHF FAYETTEVILLE NC
KD4KAO COLUMBIA SC
KC4GYM #WEST COLUMBIA SC
222.980 / 224.580
NX9O #ALPHARETTA GA
WB4F PIKEVILLE KY
KR4AA ROCKY MOUNT NC
WA4RQF SAURATOWN MT NC
KB4VFD CROSS SC
N4KFI KNOXVILLE TN
223.000 / 224.600
N4GIS CARTERSVILLE GA
WB4PLA ASHEVILLE NC
WA4HMT LAKE GASTON VA
223.020 / 224.620
W4ZTL ATLANTA/BELL GA
KD4DAR PIKEVILLE KY
N4THN GLOUCESTER PT. VA
223.040 / 224.640
WB6RTH #LOGANVILLE GA
W4ABZ RINGGOLD GA
WA4PEN RALEIGH NC
WA4RQF WINSTON-SALEM NC
KC4SWI COLUMBIA SC
KC4RGQ MORRISTOWN TN
223.060 / 224.660
W4BKM MACON GA
WB4PLA MARS HILL NC
AC4AM SUNSET BEACH NC
W4VFR SUMTER/SHAW SC
WR3S NASHVILLE TN
223.080 / 224.680
N4BZJ DALTON GA
WB4KPF WILMINGTON NC
KJ5CO OAKFIELD TN
KA4RCL WAYNESBORO VA
223.100 / 224.700
KC4PZD HIRAM GA
N4RBL LA GRANGE KY
W4RXG SAURATOWN MT NC
KD4GON GALLITAN TN
KD4IBW SEVIERVILLE TN
K4ARO PETERSBURG VA
223.120 / 224.720
KI4WR CLAYTON GA
WA4DAN TRENTON NC
KE4KO COLUMBIA TN
223.140 / 224.740
N4KVC DALTON GA
W5CJR HATTIESBURG MS
AC4UO OXFORD NC
N4PYI NASHVILLE TN
N4RAG STAUNTON VA
N4WQJ VIRGINIA BEACH VA
223.160 / 224.760
W4BOC STONE MT GA
W4EXU SALISBURY NC
WQ4E GREENBRIER TN
KD4IBW MOORESBURG/SNEED TN
WA4TFZ CHARLOTTESVILLE VA
223.180 / 224.780
KC4KLW ROCKMART GA
NM5D ACKERMAN MS
WB5OWY VICKSBURG MS
WA4WGY EDEN NC
KO4BR ORANGEBURG SC
K4VCM CHATTANOOGA TN
WA4UCI JC/BUFFALO MT TN
WA4KOG MEMPHIS TN

223.200 / 224.800
KC4ZGN ELLIJAY GA
KR4BD LEXINGTON KY
WB4PML MORGANTON NC
KD4WJD WENDELL NC
WQ4E GREENBRIAR TN
KD4IBW SEVIERVILLE TN
223.220 / 224.820
KK4C ATLANTA GA
W4MOP LOUISVILLE KY
NM5D ACKERMAN MS
N4DWU CANTON NC
AD4BX GREENSBORO NC
223.240 / 224.840
WB6RTH #ALPHARETTA GA
AC4MU WARNER ROBINS GA
WA4DAN GRIFTON NC
K4PHT DAYTON TN
KC4PRD NASHVILLE TN
N4PLV BEDFORD VA
223.260 / 224.860
KC4JNN ALPHARETTA GA
K4GYR SUMTER SC
WB4PVT HAMPTON VA
KJ4QQ PEARISBURG VA
223.280 / 224.880
WD4LUQ YORKVILLE GA
N4AI SOMERSET KY
K0VNO BAY ST. LOUIS MS
K4AIH ANDREWS/ROBBINSV NC
W4RXG SAURATOWN MT NC
N4DRL FISHERVILLE TN
223.300 / 224.900
WA4QPL MARIETTA GA
KE5ST PONTOTOC MS
KD4JFN HAW RIVER NC
N4EOY COLUMBIA SC
WA4ZOK CHATT/SIGNAL MT TN
WD4SBX GRAY/HOLSTON MTN TN
AA4HQ #DELTAVILLE VA
K4YDG ROANOKE/TINKER VA
223.320 / 224.920
KD4JBQ FORT MOUNTAIN GA
KR4KS SNELLVILLE GA
W1IFL RALEIGH NC
W4NYK GRNVL/DOWNTOWN SC
N8LGA BLUEFIELD VA
223.340 / 224.940
WB4KXO AUGUSTA GA
KC4EV ROSSVILLE GA
AD4RU IRVINE KY
N4JJ FLORENCE SC
WB4NKM GREENEVILLE TN
WA4PCD NASHVILLE TN
AB4EM ROANOKE/CAHAS MT VA
223.360 / 224.960
N4ZJG HIRAM GA
K4JTX CHERRYVILLE NC
AA3CH GOLDSBORO NC
N4QVI GREENSBORO NC
N4UQS HENDERSONVILLE NC
W4TUN AIKEN SC
KJ4RA LAVERGNE TN
223.380 / 224.980
K4JSR CUMMING GA
KB4PNG JARVIS KY

440 MHZ

434.000 / 421.250
W4ZTL #ATLANTA/BELL GA
KK4TO SAVANNAH GA
KO4AT #GREENSBORO NC
N4CNN GOOSE CREEK SC
439.250 / 421.250
KB4PXX BRNSWK/JEKYLL IS GA
W4BEJ ELIZABETHTOWN KY
WB4FUR STENNIS SPACE CE MS
W4PPN CHARLOTTE NC
N4GUP LEXINGTON SC
WA4CDM KNOXVILLE TN
KJ4ZQ NASHVILLE TN
KB4TPI PULASKI TN
WA4UMU SUMTER SC
W4HTB BOWLING GREEN KY
KA5NOJ GAUTIER MS
KA5NOJ WAYNESBORO VA
W4MM ALBANY GA
WA4VHP SAVANNAH GA
W4NYR #SHELBY NC
426.250 / 439.250
AC4QG POWHATAN VA
N4FHL ROANOKE/POOR MT. VA
447.000 / 442.000
WB6RTH ALPHARETTA GA
N4ORL LOUISVILLE KY
WA4HMT GASBURG VA
WB3T WYTHE/WALKER MTN VA
447.025 / 442.025
WA4NMF ATLANTA GA
447.050 / 442.050

N1KDO MARIETTA GA
KD4XV JASPER TN
WB4SQC JOHNSON CITY/HOL TN
WA4BJY MEDINA TN
447.025 / 442.075
W8BLA ROSWELL GA
447.075 / 442.075
N4VOS STANTON KY
KC4GYM COLUMBIA SC
KN4VY DAYTON TN
447.100 / 442.100
WA4CNG ATLANTA GA
N4RBL LOUISVILLE AREA KY
WB4TQD #SPARTA/GREEN MT NC
WD4PAX MILAN TN
447.125 / 442.125
N4PLP ROSSVILLE GA
447.150 / 442.150
N4SE ROSWELL GA
KC4JR CHAPEL HILL NC
WJ9J CHATTANOOGA TN
KB4TPI PULASKI TN
447.175 / 442.175
N4BZJ #DALTON GA
KD4CRM MARTINSVILLE VA
447.200 / 442.200
N3APR DECATUR GA
N5DWU ELLISVILLE MS
WB4IUY APEX NC
KM4GN WILMINGTON NC
KC4YCR BETHPAGE TN
WD4SBX GRAY/HOLSTON MT TN
WA4BJY OAKFIELD TN
447.225 / 442.225
WB6RTH #ATLANTA GA
WJ9J ROCKWOOD/OZONE TN
WB4GUG STUART VA
447.250 / 442.250
N5DWU ELLISVILLE MS
KB4PQA GREENVILLE SC
WD4DES CLEVELAND TN
WA4HTI COVINGTON VA
447.275 / 442.275
K4VTT MACON GA
N4ZCM AUBURN NC
447.300 / 442.300
N2NOG DULUTH GA
N4OOC MORG. WALKER TOP NC
WB4IUY WILSON NC
KC4OOZ SUMMERVILLE SC
N4UBR COOKEVILLE TN
KC4VDZ RICHMOND VA
AA8BS BECKLEY/BOLT WV
447.325 / 442.325
AA8NA MIDDLESBORO KY
N5DWU ELLISVILLE MS
WD4ICX ASHEBORO NC
N4JSR CHATTANOOGA TN
447.350 / 442.350
WD4NHW BALDWIN GA
KF5TU LAKE GASTON NC
WA4YGD LINCOLN/ANDSN MT NC
KF5TU DALLAS, TX ZZ
447.325 / 442.375
KE4QFG MARIETTA GA
447.375 / 442.375
KB4TOH COLUMBIA NC
W4RNR #SANFORD NC
WA4PXV WEST JEFFERSON NC
447.400 / 442.400
N4UER WARM SPRINGS GA
AA4XV LATONIA KY
KD4WJD WENDELL NC
WB4QHF PICKENS/CSRS HD SC
KF4YI LYNCHBG/JACK MT. VA
447.425 / 442.425
K4HCA CLARKESV'ILLE GA
KC4FIE MADISONVILLE KY
447.450 / 442.450
KD4CLR LOUISVILLE AREA KY
N4LMR RALEIGH NC
KD4NEB CLEVELAND TN
447.475 / 442.475
K4NVG LAVONIA GA
KE4DGP WILKESBORO NC
447.500 / 442.500
KB4RYM LOUISVILLE KY
K4GFY MOREHEAD KY
K4YNY WILMINGTON NC
WA4NTZ KNOXVILLE TN
W4CA ROANOKE/POOR MT VA
447.525 / 442.525
WB5TUF ATLANTA GA
KC4KMV FORT WRIGHT KY
447.550 / 442.550
WB4JEH CONYERS GA
WD4ELX LOUISVILLE KY
WB4MMY PITTSBORO NC
WA4ZBE RICHMOND VA
447.575 / 442.575

KD4JBQ FORT MOUNTAIN GA
447.600 / 442.600
KC4FKD DUBLIN GA
WA4OKJ MARIETTA GA
KD4ADJ MT STERLING KY
N4USU MURPHY NC
N4SSB GALLATIN TN
K4ARO PETERSBURG VA
K4ARO ROANOKE VA
KB8EHJ #HUNTINGTON WV
447.625 / 442.625
W4NSO GAINESVILLE GA
AC4AM SUNSET BEACH NC
WB4EPG MEMPHIS TN
447.650 / 442.650
KD4GEU ASHEVILLE NC
KD4JZI PALMER TN
WA1ZMS BEDFORD/APL ORCH VA
447.700 / 442.700
KC4ZGN #ELLIJAY GA
KK4TO SAVANNAH GA
KC4SBK ATOKA TN
N4VG ROANOKE/POOR MT. VA
447.725 / 442.725
KE4QFG #MARIETTA/ATL GA
KB4YJ LOUISVILLE KY
N5LRQ VOSSBURG MS
WG4R GREENSBORO NC
447.750 / 442.750
N4EMM CONYERS GA
KM4GR BAKERSVILLE NC
447.775 / 442.775
KC4FIE MADISONVILLE KY
447.800 / 442.800
N4NFP ATL/MARIETTA GA
N4AAD YADKINVILLE NC
WB4EPG JACKSON TN
KB4MIC GUM SPRING VA
447.825 / 442.825
WF4G MEMPHIS TN
447.850 / 442.850
WB0QGH LAWRENCEVILLE GA
KA4IXK ROANOKE/POOR MTN VA
447.875 / 442.875
N4IWK MACON GA
KB5ZOX ROSE HILL MS
KC4WHL HARRIMAN TN
447.900 / 442.900
NZ3I HOG MOUNTAIN GA
AC4MU WARNER ROBINS GA
WB4AIA IRVINE KY
K4AZA THOMASVILLE NC
N4SSB NEW DEAL TN
KD4GCT PINSON TN
447.925 / 442.925
KC4YHM EATONTON GA
N4TZD LEXINGTON NC
N3SBK DELTONA, FL ZZ
447.950 / 442.950
AB4FU LYNCHBURG VA
447.975 / 442.975
WA4YNZ ATLANTA GA
KB8KSP ABINGDON VA
448.000 / 443.000
N4OGF CHATSWORTH GA
KK4YP PIKEVILLE NC
N4EOY COLUMBIA SC
W4ZJM MEMPHIS TN
KM4X WHITETOP MTN VA
WB8EZR HUNTINGTON WV
448.800 / 443.000
WA4KOG MEMPHIS TN
448.025 / 443.025
WA4NMF ATLANTA GA
WB4JWM CHESTER GA
KE4OOL LEXINGTON KY
AC4DZ BURLINGTON NC
KA8YEZ #WHEELING WV
448.050 / 443.050
AA3CH GOLDSBORO NC
WB4PUB #NASHVILLE TN
448.075 / 443.075
KC4ZIZ MACON GA
KA4AZQ KNOXVILLE TN
448.100 / 443.100
N4KHQ DAHLONEGA GA
N4GGC SAURATOWN MT NC
KA4JXT MEMPHIS TN
KB4NKO CHESAPEAKE VA
AC4QG POWHATAN VA
N8FHE BUCKHANNON WV
448.125 / 443.125
WB4DEB HAMPTON GA
KB4PQA CRAB CREEK TWP NC
WA4NNA RALEIGH NC
448.150 / 443.150
W4QO ROSWELL/BELL GA
W4HG SALISBURY NC
K8MHR ST. ALBANS WV
448.175 / 443.175

KN4DE PATRICK SPRINGS VA
448.200 / 443.200
KD4APP HIGH HOUSE MTN GA
WB4OQX ROCHELLE GA
WA4ZIA #HAMLET NC
KD2LH #WAKE FOREST NC
KB4UG GRNVLE/VIKING MT TN
W4BS MEMPHIS TN
448.225 / 443.225
N4QCP JONESBORO GA
N4ZCM RALEIGH NC
448.250 / 443.250
KC4JNN #BISKEY MTN GA
KD4POG THOMASVILLE GA
KJ4VF DORTON KY
WD6GMQ GRAINGERS NC
N4JEX KANNAPOLIS NC
448.275 / 443.275
KC4KLW ROCKMART GA
WA4WTX ROUGEMONT/RED MT NC
WA4AWI LEBANON TN
448.300 / 443.300
KB5DZJ WIGGINS MS
KC4SVQ ARCHDALE NC
KC4IEV RATTLESNAKE MTN NC
WA4KJH GATLBG/COVE MT TN
448.325 / 443.325
N4JMD STOCKBRIDGE GA
N4JMD STOCKBRIDGE GA
N4EQT LAWRENCEBURG KY
448.350 / 443.350
N4YYD FORT MTN/CHATSWO GA
N5VEI PETAL MS
N4JEX KANNAPOLIS NC
ND4N GRNVLE/PARIS MT SC
WA4AWI DEASON TN
KD4GXE ROGERSVILLE TN
N4LFU RICHMOND VA
448.375 / 443.375
KC4AQS CALHOUN/JASPER GA
W1IFL RALEIGH NC
448.400 / 443.400
KD4EKZ CEDARTOWN GA
WB4GWA #CONCORD GA
KD4ITB RICH SQUARE NC
WB4GUG SAURATOWN MT NC
AD4DN WILMINGTON NC
W4TUN AIKEN SC
WD4DBJ CUMBERLAND CITY TN
WA4QWW MEMPHIS TN
448.425 / 443.425
KD4CPO BRUNSWICK GA
KB4MDE JASPER GA
448.450 / 443.450
KB4VAK #HIGH PT/LOOKT M GA
WD4ELX LOUISVILLE KY
N4KMH HELENA MS
N4VOZ STATESVILLE NC
KC4RBA FOREST VA
448.475 / 443.475
KZ1X CHAPEL HILL NC
WB4TWX FORT MILL SC
N8FWL BECKLEY WV
448.500 / 443.500
N4MTA MARIETTA GA
WD9EQC LOUISVILLE KY
N4TZV MAYSVILLE KY
WB4UBY META KY
AJ0X LAUREL MS
WD4POZ G'BORO/H'POINT NC
WA4WKS PARIS/GROVE HL TN
KD4CWB SEVIERVILLE TN
448.525 / 443.525
KC4KLW ROCKMART GA
N4EUX BLROCK/LENOIR NC
448.550 / 443.550
KK4IN DACULA GA
N4HZX GRAEFENBURG KY
KB5SAR WAYNESBORO MS
KC4XE ROARING GAP NC
N3ELM SMITHFIELD VA
448.575 / 443.575
KD4NTF CEDARTOWN GA
WA4PXV BOONE/RICH MTN NC
KA6UHV COLLEGEDALE TN
N4IDG LEBANON TN
448.600 / 443.600
KM4BA MARIETTA GA
K5HYE MENDENHALL MS
N4DWU MT MITCHELL NC
W8CXD FOREST VA
448.625 / 443.625
AA5RZ JACKSON, EAST MS
KE4EAN COWPENS SC
KC4MJN JAMESTOWN TN
WZ8E BLUEFIELD VA
448.650 / 443.650
KE4ZV ATLANTA GA
NM5D ACKERMAN MS
K4AIH ANDREWS/ROBBINSV NC

K4UMI HAMPTON VA
WB8BON ROANOKE/POOR MT. VA
448.675 / 443.675
N4GWO BARNESVILLE GA
KD4FRP CROWDERS MTN NC
KD4IBW SEVIERVILLE TN
448.700 / 443.700
KM4BA MARIETTA GA
W5CJR HATTIESBURG MS
N4LXW HIGH POINT NC
WA4LBT LOCUST NC
WA4DOR BARTLETT TN
WA4AXH HERMITAGE TN
KB4OTK LAFOLLETTE TN
448.725 / 443.725
N4OTT CARTHAGE TN
N8SNY WELCH WV
448.750 / 443.750
KL7TF COVINGTON GA
KC4YOT GASTONIA/CROWDER NC
WB4EDS ALAMO TN
WD4KZK ROANOKE/AIRPORT VA
448.775 / 443.775
W4IXN DULUTH GA
AD4CR VERSAILLES KY
KD4JFN HAW RIVER NC
KB4YF LAURENS SC
KA4MHJ SPENCER TN
448.800 / 443.800
N4NFP ATLANTA/MARIETTA GA
N5IAT NATCHEZ MS
KC4QZL MORGANTON NC
WA4HNK SUMMERVILLE SC
KA4AZQ SEYMOUR TN
WA1ZMS BEDFORD/APL ORCH VA
K4NDH CHESAPEAKE VA
448.825 / 443.825
KD4WOU MONROE GA
WB4WTC BOONE NC
KA4YMY #SOPHIA/RANDLEMA NC
KC4KRM SHELBYVILLE TN
WB4KZI PETERSBURG VA
448.850 / 443.850
WB4YSV WALESKA/PNLOG MT GA
N4ULM FRANKLIN TN
KC4UU DANVILLE VA
448.875 / 443.875
KD4LXT ATLANTA GA
KC4KPW PINEY KNOB NC
W4DUM WILLIS VA
W8SP FAIRMONT WV
448.900 / 443.900
WB4DEB GRIFFIN GA
N5DWU WAYNESBORO MS
KB4JIF HIGH POINT NC
KD4HII SODDY-DAISY TN
N4EVG CHESAPEAKE VA
448.925 / 443.925
WA4LJU RINGGOLD GA
AB4YR SOUTH BOSTON VA
448.950 / 443.950
KA4UFM DECATUR GA
N5ZDF HAZLEHURST MS
KD4OWV CHARLOTTE NC
KM4GN #WILMINGTON NC
KC4FV ARNOLD A.F.B. TN
N4NBC MEMPHIS TN
W4NTG WILLIAMSBURG VA
448.975 / 443.975
WA4WGY EDEN NC
KA0BRN MEMPHIS TN
KA4WJS ROCKWOOD TN
KJ4RA SMRYNA TN
N8FIP WESTON WV
449.000 / 444.000
WB4QDX LAWRENCEVILLE GA
WD4AFY SAVANNAH GA
AD4RU IRVINE KY
KG5YV CLINTON MS
K4JEQ HICKORY NC
KK4YP SELMA NC
N4JJ FLORENCE SC
WD4BKY GALLATIN TN
WA4ETE MEMPHIS TN
KD4CWB SEVIERVILLE TN
KK4SN PORTSMOUTH VA
KC8IT MULLENS WV
449.025 / 444.025
WB4QDX LAWRENCEVILLE GA
KD4JFN HIGH POINT NC
K4RDK MEMPHIS TN
449.050 / 444.050
N4NEQ ATLANTA/MARIETTA GA
KE4NLL SALYERSVILLE KY
K4OLC TAYLORSVL/BARR M NC
N4PYI NASHVILLE TN
KB4OLM STUARTS DRAFT VA
449.075 / 444.075
AG4L NEWTON NC
AB4UP ETHRIDGE TN

KC4PDQ MARYVILLE TN
KM4QA MEMPHIS TN
KD4TBC GRETNA/SMITH MT VA
K8OJC HURRICANE WV
449.100 / 444.100
W4BKM MACON GA
WD4MNI BOWLING GREEN KY
N4UL LOUISVILLE KY
WA4WTX DURHAM NC
N4MZL LANCASTER SC
W4AM CHATTANOOGA TN
KE4FH JOHNSON CITY TN
KA4JXT MEMPHIS TN
WD4FOZ STAUNTON/EL KNOB VA
KB4ZIN WILLIAMSBURG VA
449.125 / 444.125
KC4YOQ BOSTIC NC
WB4GUG MCLEANSVILLE NC
KC4ECD LAFAYETTE TN
AA8BS PINEVILLE WV
449.150 / 444.150
W4ZTL ATLANTA/BELL GA
WB4IVB MIDDLESBORO KY
WD5BJT CLERMONT HARBOR MS
WB5YCR NEW ALBANY MS
N0IZF GASTONIA/CROWDER NC
KQ7E SUMTER SC
WB4NTM NASHVILLE TN
KI4ZR LEXNGTN/ROCK MT. VA
449.175 / 444.175
KE4PVE COVINGTON GA
KC4COV FLORENCE KY
KC4NNN KNOXVILLE TN
W2GLJ MEMPHIS TN
N8FMD CLARKSBURG WV
449.200 / 444.200
WB4LBM DECATUR GA
KP4PF MARION KY
WB4TRS PRESTONSBURG KY
WB4YNF AHOSKIE NC
KM4GN WILMINGTON NC
KC4GYM WEST COLUMBIA SC
KB4YTU BROWNSVILLE TN
KA4NEX MORRISTOWN TN
N4ARK NASHVILLE TN
WB4VWR ENON VA
WA4EZA WAYNESBORO VA
KD4APH PENSACOLA, FL ZZ
449.225 / 444.225
WB4BDP WARNER ROBINS GA
N4VWK YANCEYVILLE NC
N4ARK NASHVILLE TN
449.250 / 444.250
W4BOC ATLANTA/STONE MT GA
KF4DC GLASGOW/CVCTY KY
KA5CYR GULFPORT MS
WA4KNI HENDSVL/BERWLW M NC
KD4BFI YOUNGSVILLE NC
WA4PAJ BARTLETT TN
WQ4E GREENBRIER TN
WA4TFZ CHARLOTTESVILLE VA
N8ZAR BUCKHANNON WV
449.275 / 444.275
K4VTT MACON GA
N4GYT HENDERSON KY
W4NC WINSTON-SALEM NC
W4GZX CLEVELAND TN
WA4AXH #LEBANON TN
449.300 / 444.300
KK4WH JENKINS KY
WB4ZZD LOUISVILLE KY
N4DRL BYHALIA MS
KC5RC HEIDELBERG MS
WB4WOR GREENSBORO NC
KA4KNU WILLIAMSTON NC
N4MNH CHARLESTON SC
WB4GBI KNOXVILLE TN
WA4BZU NASHVILLE TN
449.325 / 444.325
KM4BA MARIETTA GA
KB5ZZC COLUMBUS MS
KB5KGE JACKSON MS
WA4QFV WHITAKER MTN NC
WA4BZU CLARKSVILLE TN
WB3T WYTHEVILLE/SAND VA
KA8ZXP GLENVILLE WV
449.350 / 444.350
W4MMQ #HELEN GA
KC4WHD #LOOKOUT MTN GA
KB0Y VALDOSTA GA
K4CO WALTON KY
AC4DZ GIBSONVILLE NC
KR4LO GRANTSBORO NC
KD4KAO #LEXINGTON SC
WD4BKY GALLATIN TN
W2GLJ GERMANTOWN TN
KD4CLA PIGEON FORGE TN
WB4DBB BEDFORD VA
WB8YST CHARLESTON WV
449.375 / 444.375

KB4IZF JASPER GA
KD4DAR PIKEVILLE KY
KB5HAV PEARL MS
N4OWU FANCY GAP VA
449.400 / 444.400
AA4UA AUGUSTA GA
WB4ULJ HAMILTON GA
KC4LU LAWRENCEVILLE GA
WB4YZF FAYETTEVILLE NC
KC4YOQ FOREST CITY NC
WA4KOG MEMPHIS TN
K4EAJ OAK RIDGE TN
KE4WA WATERTOWN TN
WF1G ALDERSON WV
449.425 / 444.425
KC4NNN KNOXVILLE TN
WA4ISI ALTAVISTA VA
449.450 / 444.450
W4DOC ATLANTA GA
N9APA #HENDERSON KY
KB5LCL JACKSON MS
W4CQ CHARLOTTE NC
KE4JMH WAYNESVILLE NC
KM4GN #WILMINGTON NC
KB4YTU BROWNSVILLE TN
WD4KWP GALLATIN TN
WJ9J SODDY DAISY TN
W8MOP BLUEFIELD VA
W8MOP BLUEFIELD WV
449.475 / 444.475
KD4GEY FOLKSTON GA
N4CLA SWEAT MT/MARIETT GA
AD4BI PIKEVILLE KY
KD4DNY GREENSBORO NC
449.500 / 444.500
W4MM ALBANY GA
WB4LWL ATLANTA GA
N4BZJ #DALTON GA
W4MOP LOUISVILLE KY
WD4ICX LEXINGTON NC
K4GYR SUMTER SC
K4LSP BRISTOL/HLST MT TN
KB4KSL KNOXVILLE TN
N4WAH MEMPHIS TN
K4HEX LYNCHBURG/TOBRMT VA
WV8Y BUCKHANNON WV
449.525 / 444.525
KD4IEZ CHESTER GA
WD4JXR SNELLVILLE GA
KJ4VF GRETHEL KY
N5MRS NEW HEBRON MS
WA4PEN RALEIGH NC
KE4DGP WILKESBORO NC
KB4WCR LIBERTY SC
AC4AM MYB BCH/BRKSVIL SC
WA4BGK NASHVILLE TN
KD4IBW SEVIERVILLE TN
449.550 / 444.550
WB4JEH CONYERS GA
KN4KQ LEWISPORT KY
WB4VTE #GASTONIA/SPCR M NC
KK4VM ROANOKE RAPIDS NC
NQ4Y COCKEVILLE TN
NU5O MCNAIRY TN
K4OGT HAMPTON VA
WA4RTS LYNCHBURG VA
449.575 / 444.575
N4PLM DOUGLASVILLE GA
N4MVY PHELPS KY
N4HAJ KINSTON NC
K0SD SALISBURY NC
WA4WCK NASHVILLE TN
449.600 / 444.600
WA1KMS #COVINGTON GA
WA4NKL #QUITMAN GA
N4NMC LOUISVILLE KY
KC4FIE MADISONVILLE KY
KB5CO JACKSON MS
W4BFB CHARLOTTE NC
AC4UO OXFORD NC
KC4UDD NORTH CHARLESTON SC
WB4HAP KNOXVILL/ENG MTN TN
K0JXI MEMPHIS TN
WC8K WESTON WV
449.625 / 444.625
N4WQ ATLANTA GA
KB4QFL HAWESVILLE KY
N5OCF RICHTON MS
WB4DVN LUMBERTON NC
N4TK NASHVILLE TN
WZ8E BLUEFIELD VA
449.650 / 444.650
N4IBW SMYRNA GA
N5KOL BOWLING GREEN KY
KE5ST HORN LAKE MS
WB4FUR STENNIS SPACE CE MS
N5NBG WALLS MS
NE4J MIDDLESEX NC
N4MME SALISBURY NC
KM4GN #WILMINGTON NC

WB4NKM GREENEVILLE TN
N4OYS SHORT MTN TN
N4EHJ RICHMOND/CHARVLE VA
449.675 / 444.675
N4YTR PEACHTREE CITY GA
KC4VYX ROBINSON CREEK KY
AB5PR #GREENVILLE MS
KD4IL CHARLOTTE NC
KA4SQN JACKSONVILLE NC
KD4IHW RESEARCH TRI PK NC
WD4JMT MYR BCH/CONWAY SC
WA4PCD NASHVILLE TN
WD4MIZ NORFOLK VA
449.700 / 444.700
WD4LUQ DALLAS GA
KD4IEZ LAKE SINCLAIR GA
KD4QYK VALDOSTA GA
NC5V JACKSON MS
N4JEH ROCKY MOUNT NC
KM4AU DANVILLE/WHT OAK VA
N4WWB GATE CITY VA
K8LG MORGANTOWN WV
449.725 / 444.725
KD4AOZ WATKINSVILLE GA
KA4NCX HENDERSON KY
KC4ZY LEXINGTON KY
W4ZCD HICKORY FLAT MS
N4QDK WINSTON-SALEM NC
WB4RAV BLUFF CITY TN
WA4AKM FRANKLIN TN
KJ5CO OAKFIELD TN
KF8FO KEENY MTN WV
449.750 / 444.750
N4EMM CONYERS GA
KE4AIF HOPKINSVILLE KY
WB9SHH MONTICELLO KY
KA5CYR MCHENRY MS
W5VZF STARKVILLE MS
N0IZF GASTONIA/CROWDER NC
KD4JFN PITTSBORO NC
K4TC HENDERSON TN
WD4KQI FOREST VA
WS9L CHARLESTON WV
449.775 / 444.775
N4NEQ ATLANTA/MARIETTA GA
N4IWZ ALLEN KY
KC4UPE NICHOLASVILLE KY
WA4RQF KING/SAURATOWN M NC
W4ATC RALEIGH NC
WA4AKM GALLATIN TN
WV8G PARKERSBURG WV
449.800 / 444.800
WA4ASI COVINGTON GA
W4BEJ ELIZABETHTOWN KY
KB5CO JACKSON MS
AI4J GREENVILLE NC
K4YEC REIDSVILLE NC
KN4RG GAFFNEY SC
K0JXI MEMPHIS TN
KB4MIC OILVILLE VA
WF1G BECKLEY/OAK HILL WV
W8CUL MORGANTOWN WV
449.825 / 444.825
W4DOC ATLANTA GA
KC4VXR SALEM KY
KB5DSN AMORY MS
KF4UY MT AIRY/FSH PK NC
K5FC MEMPHIS/ADAMS MK TN
N4PYI SMITHVILLE TN
WA4ZBP STAUNTON VA
449.850 / 444.850
N4BZJ DALTON GA
KF4UM HINESVILLE GA
AA4NI NEBO KY
AB5DU INDIANOLA MS
WA5WRE POPLARVILLE MS
W4CQ CHARLOTTE NC
K4GMP WILMINGTON NC
WD4MWQ MCMINNVILLE TN
WA4NDQ NORTON/HIGH KNOB VA
K4ARO RICHMOND VA
WD4KZK ROANOKE/READ MTN VA
WJ8G ELKINS WV
AA8MR HUNTINGTON WV
449.875 / 444.875
KC4ELV CONYERS GA
KC4UPE SALVISA KY
N5HTQ MCCOMB MS
N1BEC BALD CREEK NC
KD4RAA RALEIGH NC
KD4UWA CHATT/MONTLAKE M TN
WB7BOX JACKSON TN
WA4AKM NASHVILLE TN
KB4WTP BIG "A" MTN VA
449.900 / 444.900
NA4I #AUGUSTA GA
KC4ZGN ELLIJAY GA
WB4IVB CORBIN KY
W4YWH HIGHLAND HEIGHTS KY
NM5D ACKERMAN MS

N4DWT ASHEVILLE NC
WD4JMS NEW BERN NC
NE4J WILSON NC
WB4MMI RAMER TN
N4IDG WATERTOWN TN
N4XRY FANCY GAP VA
N8SCS BELINGTON WV
449.925 / 444.925
WA4NNO ATLANTA GA
N4PJR JESUP GA
W4WZH GLASGOW KY
KO4LI OLIVE HILL KY
N5PYQ SOUTHAVEN MS
WB5TTE VICKSBURG MS
N4XRY MOUNT AIRY NC
AC4RZ EASLEY/SAS MTN SC
WA4BGK COLUMBIA TN
N4VIH DOVER TN
WB8BON ROANOKE/TINKER M VA
449.950 / 444.950
NA4I AUGUSTA GA
AC4MU PERRY GA
WD4EJA LEXINGTON KY
W5OXA BILOXI MS
W4DW APEX/RALEIGH NC
WA1WXL DALLAS/CHARLOTTE NC
KD4PBC CHARLESTON SC
KF4GP CLARKSVILLE TN
WB4NNE MEMPHIS TN
W4WRN STAUNTON VA
WA4KXV VIRGINIA BEACH VA
WB8CQV SO. CHARLESTON WV
449.975 / 444.975
WA4YNZ ATLANTA GA
K4TVE BRUNSWICK GA
WB4TAT ASHLAND KY
WB4CWF NICHOLASVILLE KY
KQ4ML ASHEBORO NC
KC4ZTJ POLKVILLE NC
WM3O ORANGEBURG SC
KD4LP MORRISTOWN TN
WA4AKM NASHVILLE TN
N4AZJ PEARISBURG VA
N8EKT WHEELING WV
443.850 / 448.850
WB4YSV WALUSKA/PINE LOG GA
444.600 / 449.600
WA4SJH SPRINGFIELD KY
439.250 / 911.250
KA5NOJ GAUTIER MS
W4HTB BOWLING GREEN KY
426.250 / 923.250
K4HEX LYNCHBURG VA
WA4CDM KNOXVILLE TN
439.250 /1280.000
W4HTB BOWLING GREEN KY

920 MHZ

907.100 / 919.100
N4BZJ DALTON GA
908.800 / 920.800
KD4LP MORRISTOWN TN
908.900 / 920.900
KM4TT ROANOKE VA
909.000 / 921.000
KB4OSI LYNCHBURG/TOBRMT VA
909.100 / 921.100
WA1ZMS BEDFORD/APL ORCH VA
910.250 / 923.000
WA4VHP #SAVANNAH GA
K4ZGA NASHVILLE TN

1270 MHZ

1253.250 / 421.250
N4WAH BARTLETT TN
1265.000 / 421.250
N4BZJ #DALTON ATV GA
1255.000 / 427.250
N4NEQ ATL/MARIETTA GA
1277.250 / 439.250
KD4EEW NASHVILLE TN
W4PPN #CHARLOTTE NC
1272.400 /1284.400
W4WXJ NASHVILLE TN
1274.500 /1286.500
KB4ZOE NASHVILLE TN
1271.020 /1291.020
WB4DBB ROANOKE/POOR MTN VA
1271.100 /1291.100
WA1ZMS BEDFORD/APL ORCH VA
1271.400 /1291.400
W4DOC ATLANTA NORTH GA
KB4SXY SAURATOWN MTN NC
1272.000 /1292.000
KB4KIN ATLANTA/BELL GA
N4HKS MEMPHIS TN
1272.820 /1292.820
N0IZF GASTONIA/CROWDER NC

tales from the happy hamette

-by CINDY ROGERS, KR4LS
545 WATERBURY DRIVE, FAYETTEVILLE, NC 28311

The Happy Hamette Goes to Field Day

(Editors Note: The Journal and Cindy want to prepare you for the long treck of field day weekend next month. We agreed, if you can get through this story-all the way-you can survive FD)

It was a hot and steamy day. SSB was sizzling with sonorous sirens of multifaceted QSL desires. Fingers and metal Called Quickly the seductive dahdidahdah dahdahdidah sing-song. Yet, the night held promises of fiery QSOs, packet bugs a-byting, a brass burst of dotted-dashed CW, and newly passioned Novices calling out furtively over the waves of air.

The digital dance was about to begin. NOS and packet; BBSs and RTTY and all things digital and binary TCP/IPing skipped over the Radio realm.

The men gathered in the glade of the forest under the tall pines, with fireflies for little living lanterns. They sat on sticky, wet seats with bugs making banzai dives for the spoils of their arms. They all quieted their keys and microphones to listen to the Good King IV of Mother Nature to issue battle orders to beat the other groups fighting in the Great Annual Radio Wars. Static which crashed into thunder quaked their rapture and expectation of the time out of time. They were hoping not for lightening to shock them into black patches of burnt grass. They were not yet ready to tune up on the Great Radio in the Sky. They wanted the excitement of the cutting-edge of no-turning-back dives into the chasms of propagative precipices.

Men were boys. Boys were boys. Women weren't boys. Delicacy aside and asunder, mugs of Diet Pepsi and squashed hot dogs passed all 'round the table like mead, grog, and barbecued moose legs in Radio Medieval Times. "To Hiram, By God and By Radio!" was the hearty toast, echoed by all. Air and Light swirled 'round about them. Spark and Gap crackled and lit the heavens and skies. Tubes and Transistors engaged their necromancy.

Thus, Propagation and Promulgation roared o'er the heavens! And (maybe) God said, "Gentlemen and Ladies, start your Radios Have FUN. But, beat those other clubs butts." Field Day is magic. It is as if Merlin, Hiram Maxim, and Robin Hood have come together to enforce Right versus Might all over Radioland for another year. Antennas are raised as banners of transmission as well as soaring spears into space of radio energy and power. 2M HTs become as little legless radio robot conspirators to draft fresh troops to come to the battlefield. HF rigs blare into action, entrenched in their own Crystal Cave portals for all wonders heard and unheard.

The Novice Station was splayed behind a gentle mound of sand, ice, and chairs as it's escarpment for young and old. No powers waned. It was as if youth and newness and birth emanated from 10 Meters in precious ascyrnchronous promulgation. Everyone came around to catch some of it's dew on thier hands and to freshen their mouths. Computer weenies were suddenly thrust into club combat, suddenly empowered to the level of real-time warriors. Scared and thrilled at the thought of actually talking with virtual humanoids HAMs, they set out with hands flying over their battleboards. Some heretofore SWLers were even abruptly given voice, imbued by their abilities and charged to go forth and Talk, Talk Fast and Mark it down Exactly in the Great Log. It was as if the Radio stancion was at it's own now planet.

As twilight wrapped all in a lavendar, pink, and purple whorls of light, the amateurs plunged into their dexterous and professional best. I would be a long and wonderous night. Tents are hauled up and over the trees and the glade for shelter, shade, and sequestering of radioactive arms. Fires were lit on wood, white thin flares of dare, and in the Radios little winking signal eyes. The Magic Radio Fairy is somewhere, everywhere, who knows where. She is ready to sprinkle Fairy Radio Dust on the radioactively challenged to give them strong voices and hands. Switches are turned and the tuning begins it's long woo-wah-woo song. The bug lamp was lit, insects fizzed, dead and gooshy. Eeeauuwww, what a yucky mess of zoological accidents. The brass begun banging. Cries of "Got'im" accompanied the snares. There was no let up throughout the long, long night. Contacts were made with no time to spare and little PINGs and POPs were heard in the air. Lies were told big and small. No one cared because they loved it all. Sometime late, late into the night, hot coffee suddenly appeared with the rich taste of the spirit of Sarge's his blessed old touch. Has the Radio Fairy come and left a magic gift? After that cupppa de java, then the body-mind fires were in extremis and, thus, we knew that the war was virtually won.

And the next day, it was! Points were totaled into the thousands at the end of the time-battle. The Zulu Time Keeper, Little Lulu de Zulu of Greenwich, declared The Radio Quest was over. The antennae swords were crossed. The new King and Queen of Field Day were crowned and the Feast begun. The Cape Fear Amateur Radio Society was Cape-d in Crystoli Detectors, golden Icomettas, and germanium diodes to be Fear-ed by the inadequacies of the other now lesser, insignificant paramecium radio pseudo wannabe grouplettes.

Our club is Number One again and again in our hearts and minds in the Annual Great Radio Field Day Quest. We ARE all better prepared for emergencies and our friendship is given to all! Long Live K4MN!! Long Live CFARS! Bzzzz... Bzzzz... Bzzz... Chomp... OUCH... Swat... Gotcha... Blap! Oboy!

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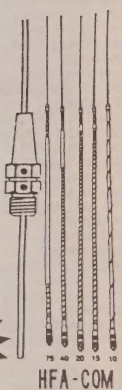

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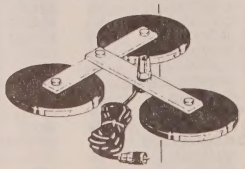

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VE/VEC EXAMINATION SCHEDULE

This schedule is published free as a public service of SERA. Schedules are supplied by the individual VEC/VE teams on a quarterly basis. Examinees are urged to call numbers listed to verify schedules before planning to attend an examination. Changes to the lists may be made to the *Repeater Journal* editor. The *Repeater Journal* assumes no responsibility for erronious or outdated listings. - Last corrected 4-18-95

ALABAMA

Gadsden (WCARS-VEC)
Walk-in exams on 2nd Saturday of each calendar quarter at 9:00 AM - Elliot Comm. Center. Jul., 8, and Oct. 14. Contact Gene McGlaughn KC4TFF (205) 492-8194 or Alternate, Lloyd Heald, Sr. AD4VB (205) 547-0357. Talk-in on 145.49.

ARKANSAS

Trumann (WCARS-VEC)
Exams 1st Tues. eve 7:00 PM of each quarter at Cedar Park elem. School. July 4(?), and Oct. 3. Contact Al Fisher, NI5A (501) 483-6530.

West Memphis (WCARS-VEC)
Walk-ins 2nd Sat. each month at 9:00 AM at the Rosewood United Meth. Ch. Call: Rev. Richard Gregory, AB4CH (501) 735-4060 or Steven Gatten, KJ5DA, (501) 739-4767.

GEORGIA

Atlanta (North) (ARRL-VEC)
Walk-ins 4th Sunday monthly 2:30 PM at Church of the Atonement, Highpoint Rd. Call Neil Foster, KC4MJ 449-3340

Augusta (ARRL-VEC)
Walk-in exams 2nd Saturday, even months at Hillcrest Bap. Ch. (Hwy US-1 S) at 9:00 AM. Contact Ace Norton, NA4I (706) 798-5060. Talkin 146.985.

Augusta (WCARS-VEC
Walk-in exams on 2nd Saturday off months at Daniel Fields Airport Gen. Aviation Office. Code at 10:00 AM. Written 11:00 AM. Sked: May 13, July 8, Sep. 9 and Nov. 11. Contact: Ed Butorajac (706) 798-1918.

Dalton (WCARS-VEC)
Pre-Reg exams last Saturday of even months at Unity Baptist Ch. at 3:00 PM. Sked: Jun 24, Aug. 26, Oct. 28 and Dec 25. Contact Bert. L. Coker, N4BZJ (706) 259-5625 or Harold W. Jones, N4OTC, (706) 673-2291.

DeKalb County (CA-VEC)
Walk-ins 4th Thurs. at 7:00 PM at DeKalb Co. Police, East Precinct, Lithonia. Call Harvey Pearson, WB4PHF 972-5061.

Douglasville (QRV-VE)
Walk-in exams 4th Tuesday of each month at the United Way Service Center on Fairburn Rd. at 7:30 PM. For info contact Team Liaison, Shirley Durham, KR4KO at (404) 949-9025. Doors open at 7:00 PM.

Lawrenceville (W5YI-VEC
Walk-in exams 1st Sunday, monthly at 2:00 PM at Jackson EMC, 461 Swanson Rd., Lawrenceville. Contact Duane Reynolds, WB2YAD, 962-9582.

Lilburn (W5YI-VEC)
Walk-in exams sponsored by the Gwinnett ARS are held on 4th Friday, monthly at 7:00 PM at St. John Neumann Church, 801 Tom Smith Rd. Contact Howie Gould, W4NVF, 921-8362. Headphones!

Marietta (CA-VEC)
Walk-ins each 3rd Saturday of the month at 9:00 AM at the Marietta 1st United Methodist Church, 56 Whitlock Ave., RM 319. Contact Larry Huff, WA4CQZ - 955-3171.

Peachtree City (CA-VEC)
Walk-in exams 1st Saturdays at 9:00 AM at Peachtree City - City Hall. Take exit 12 off I-85. Contact Mike Murphy, KB4KZY, 487-7494.

Roswell (ARRL-VEC)
Exams 1st Monday of each month at 7:15 PM at the St. Ann Catholic Church, 4905 Roswell Rd., Marietta. For info, contact: Delaine McCarthy, KM4FV 993-9758.

Stone Mountain (CA-VEC)
Walk-ins 2nd Saturday of each month, at 8:30 AM at Stone Mt. Methodist church, Contact Hal Martin, KI4RD, 469-6430.

INDIANA

New Albany (WCARS-VEC)
Walk-ins 3rd Saturday of even months, 10:00 AM to 2:00 PM at Indiana Univ. South. Jun 17 at Salem, IN Hamfest, Aug. 19, Oct. 21, Dec. 16. Call Dick Truax, K8GRU, (812) 246-6377 or "Mac" McCrory, NM9A, (812) 944-6661.

KENTUCKY

Irvine (WCARS-VEC)
Generally monthly sessions at Estill Cty. H.S.. Walk-ins normally accepted. Sked: May 13. Call Dwaine Riddell, WB4AIA (606) 723-4500 or Ernest L. Farmer, AD4RU (606) 723-7369.

Lexington (WCARS-VEC)
One Sunday session in first month of quarter, at Lexington Public Library, Russell Cave Rd., Sked: July 16, Oct. 15, at 12:30 PM. Call Joe Esposito, K2YJL (606) 225-7166.

Middlesboro (WCARS-VEC)
Walk-ins 2nd Saturdays odd months at Middlesboro Library. Call Andrew A. Pitt, WB8WEZ (606) 248-0046 or James Dyke, KZ8A (615) 869-4453.

MISSISSIPPI

Gulfport (ARRL-VEC)
Exams held at Harrison Cty. Courthouse in CD conference room at 9:00 AM on 1st Saturday of each month. Call: Tommy Jackson, KB5OGM - 868-3450 or Donna Alexander, KA5OER - 896-4984.

Ocean Springs (ARRL-W5YI VEC)
Exams at 7:00 PM at Ocean Springs Library in meeting room. Pre-registration, limited walk-ins accepted. Contact Stan Hecker, AA4SP (601) 875-9341 (d) or (601) 875-0222 (n).

NORTH CAROLINA

Asheboro VE Team
Exams quarterly at Belfour Baptist Church, 1642 N. Fayetteville St. and at other times warranting an exam session. Contact: Dwight Ayers, N4ZRT, P.O. Box 246, Cedar Falls, NC 27230, (910) 629-5516.

Asheville (WCARS-VEC) (2 Diff Sessions)
Walk-in exams at 9:00 AM Saturdays at AB Tech, Elm Bldg. Rm. 134. Sked: July 22, Oct. 21. Also Special session at Asheville Hamfest, July 30 at 2:00 PM. Call Don Lynn, (704) 628-2681 or Don Lovelace (704) 254-1921. Also Sunday sessions at (9:00 AM 3rd Sunday 2nd Month of quarter. May 21, Aug. 20 and Nov. 19. Contact Richard A. Critchell (704) 684-3424 or Steve Lakford, KC4ZYN (704) 645-3511.

Brevard (WCARS-VEC)
Exams are scheduled to be given soon in Brevard. Contact Fred Hatfield, W9MMZ (704) 884-6615.

Burnsville (WCARS-VEC)
Walk-in exams given at the Yancey Cty. Public Library . Sked: May 13, Aug. 12, Nov. 18. Call David McCarty, KK4PW (704) 675-9044 or David L. Gillespie, WA4LLR (704) 675-9942.

Charlotte (ARRL-VEC)
Exams quarterly in Feb,, May., August, and Nov. Call: Bob Rochelle, WA4DAZ - 845-3099 or Mary Hunt, KA4EXP - 845-9429.

Durham (VE TEAM)
Walk-in exams 2nd Saturday of odd months. For additional info: SASE to AB4VJ, P.O. Box 61971, Durham, NC 27705.

Fayetteville CFARS (ARRL-VEC)
Walk-in exams 2nd Saturday of odd months at Methodist College in Science bldg. Regis. 9:00 AM.testing 9:30. Contact CVE Fred New KN4SS at (919) 497-6589.

Greensboro (W5YI-VEC)
Walk-in exams 3rd Thursday of each month, except December at Middle School Science & Math Bldg., Greensboro Day School. Registration at 6:30 PM, exams begin at 7:00. For info on Amateur or Commercial testing, contact: Charles Layno, WB4WOR (910) 288-3635, 7-9 PM, Mon. thru Fri. or call Real Talk (910) 299-2525, prompt 0076.

Hendersonville (W5YI VEC)
Blue Ridge QCWA conducts walk-in exams, but courtesy of reservation requested, at the Blue Ridge CC at 2:00 PM. Sunday. 1995 Sked: Mar. 5, June 4, Sep. 10 & Dec. 3. Call W2YTO (704) 891-4359.

VE Exam Schedule Continues on Next Page

Western Carolina Amateur Radio Society/VEC, Inc.

An Amateur Radio Volunteer Examiner Coordinator

WANTED! VE TEAMS!

Now that Novice testing has moved into the VEC program, WCARS/VEC believes we must do our part to become more visibile. We are particularly interested in seeing every Amateur Radio Club in America have at least one accredited VE team within its membership.

If you or your club are interested in forming a VE team, WCARS/VEC is ready to help. If you would like to join us, contact any of the WCARS/VEC persons below:

Win Guin, W2GLJ
2138 Sonning Drive
Germantown, TN 38138
(901) 754-4552

Norman Harrill, N4NH
7 Skylyn Court
Asheville, NC 28806
(704) 253-1192

Ray Adams, N4BAQ
5833 Clinton Hwy., Suite 203
Knoxville, TN 37912
(615) 688-7771

John Chism, ND4N
139 Mustang Circle
Simpsonville, SC 29681
(803) 967-0001

WE'RE LOOKING FOR A FEW GOOD VE TEAMS!

VE/VEC EXAMINATION SCHEDULE Continues

High Point (TEARC-VEC)
Exams occasional basis. Call Jim Williamson, NQ4T at (910) 841-7576 for more details. Sessions available for 5 or more.

Kernersville (TEARC VEC)
Exams 1st Saturday monthly, 9:00 AM at Kernersville Public Library. Call Grady White, WB4YBC (910) 661-1123.

Leicester (WCARS-VEC)
Walk-in exams 2nd Saturdays each quarter at 9:00 AM at Leicester VFD on Hwy. 63, (Asheville). Sked: Jun. 10, Sep. 9, and Dec. 9. Call: Larry E. York, WB4PLA, (704) 683-1400.

Lexington (TEARC VEC)
Walk-in exams May 13, Aug. 26 and Nov.4 at 9:00 AM at the Robbins Recreation Center. Call Rae Everhart, K4SWN (704) 249-8734.

Marion (WCARS-VEC)
Walk-ins at 2:00 PM at Asheville Federal Bank Bldg. on Main St. of some months. Sked: Aug. 12, & Dec. 9. Call Randy Freeman, AC4JS, (704) 668-3176.

Moorehead City (CCARS-VE Team)
Pre-registration preferred, limited walk-ins on 3rd Saturday of odd months at 1st Presbytarian Church, 9:00 AM. Call Art sylvester (919) 726-1205.

New Bern (ARRL-VEC)
New Bern ARC sponsors walk-in exams on the 1st Saturday of each month at 9:00 AM at the Craven Community College, Rm C-15. Contact Charlie Gould, KC3SB (919) 633-3178 or Ray Hemphill, KI4SJ (919) 637-4824.

Raleigh
Exams 1st Wednesday of even months. Pre-register by mail with SASE to AA4MY, 220 Carriage Trail, Raleigh, NC 27614.

Rocky Mount (ARRL-VEC)
Tar River ARC conducts walk-in exams at 9:00 AM at Rocky Mt. Childrens Museum, Sunset Park. Schedule: May 27, Jul. 22, Sep. 23 and Nov. 25. Call Bill Thomas, WF2G, (919) 442-6131. Talk-in 147.12.

Robbinsville (WCARS-VEC)
Walk-in exams at the Graham Cty. Public Library at 7:00 PM On Sat. Jun. 24, Sep. 16, Nov. 18. Call Janet N. Ward, KR4DU (704) 479-3173.

Rutherford County (WCARS-VEC)
Exams at Isothemal College in Spindale on 3rd Saturday, 1st month of each quarter. July 15, Oct. 21. Call: A.B. Brackett, KO4BJ, (704) 245-6334 or F. Bruce Tessinear, KD4OJ, (704) 657-5464.

Shelby Hamfest (WCARS-VEC)
Walk-in exams will be given both Saturday and Sunday Sept. 2 and 3rd at the Cleveland Community College at 2:00 PM during the Shelby Hamfest. For info contact Normal Harrill, N4NH (704) 253-1192.

Smithfield (ARRL-VEC)
Triangle East ARA conducts exams on 3rd Saturday each month. Write TEARA-VE, P.O. Box 840, Zebulon, NC. Call Dave Hockaday, WB4IUY, (919) 554-2154 or David Ragan, KR4TP (919) 365-5575.

Spruce Pine (WCARS-VEC)
Walk-in exams at Burnsville Public Library at 9:00 AM. Contact David McCarty KK4PW (704) 675-9044 or David L. Gillespie, WA4LLR (704) 675-9942.

Wilmington ACARC (ARRL-VEC)
Walk-in exams 2nd Saturday of even months at UNC-W in Morton Hall. Register 10:00 AM, testing at 10:30. Call VE Sam Franklin KB4IL (910) 791-0484.

Wilson VE Team
Pre-resig. exams Call Tommy Evans NE4J (919) 291-1738 nights, or 237-1898 days..

Yadkinville VE Team
Walk-in exams by Bear Creek ARC 2nd Saturday of each month at the Yadkinville Elementary School on Rt. 601 t 10:00 AM. Call Steve Hutchens, N4DEY at (919) 961-8741.

South Carolina

Charleston (ARRL & W5YI VEC)
Walk-ins only exams 3rd Saturday each month at 9:00 AM at Trident Tech College in N. Charleston. Even months are W5YI exams, odd months, ARRL exams. Contact: Ed Frank, KC4OOZ at 871-4368.

Columbia (WCARS-VEC)
Walk-in exams 3rd Saturday, even months, at the Red Cross Bldg., Bull Street and Harden Ext., 8:30 AM. Jun. 17, Aug. 19, Oct. 21, Dec. 10. Call Ray Rogers, N4WR, (803) 345-3373.

Ft. Mill (TEARC-VEC)
Walk-in exams on 3rd Saturday of every other month, (Feb., Apr., June, Aug., Oct., & Dec. at 9:00 AM. Call Joe Smith, KI4DG (803) 548-2732 for more information and locations.

Greenville (WCARS-VEC)
Walk-in exams 1st Saturday monthly at the Red Cross Bldg. on Grove Road 8:30 AM. Jun 3, Jul 1, Aug. 5, Sep. 9, Oct. 7, Nov. 4, Dec. 2. Contact Sue Chism, ND4N, (803) 967-0001 or Jim Beach, AC4RJ, (803) 244-3797.

Lancaster (W5YI-VEC)
Pre-Registration or Walk-ins. 9:30 AM USC Main Bldg. Talk-in: 10-70. Sked: Jun. 10, Aug. 12, Dec. 2. Call Grady Robinson, 283-8298.

Spartanburg (WCARS-VEC)
Exams 2nd Tuesday even months at 7:00 PM at Red Cross Bldg. on Garner Road. Jun 13, Aug. 8, Oct. 10 & Dec. 12. Call Pete Theiler, KI4KN, 585-4919 nights, 576-5566 days.

Sumter (WCARS-VEC)
Walk-in exams 3rd Saturday 8:30 AM odd months at the Abundant Faith Church on Hwy. 521. May 20, Jul 15, Sep. 16, & Nov. 18. Call Dan Mask, WB4SGH (803) 775-9106.

Tennessee

Atoka (WCARS-VEC)
Walk-ins on 1st Sat. of each calendar quarter at 9:00 AM City Hall. Jul 1, & Oct. 7. Call Walter R. Heald, WB4GIJ (901) 829-3712 or Jerry Covington, KB4VA (901) 476-6075.

Blount County, Maryville (WCARS-VEC)
Walk-in exams 2nd Monday even months at 7:00 PM at St. Andrews Ch. Hall. Jun. 12, Aug. 14, Oct. 9, Dec. 11. Contact: Carrol Peabody, W4PCA, (615) 982-5839 or Charles Williams, AA4WX (615) 983-9594. Talk-in on 146.655.

VE Exam Schedule Continues on Next Page

20th Annual Western Carolina Hamfest

An ARRL Sanctioned Event

Saturday July 29, 1995

One Day Only - 8 AM - 4 PM

Haywood County Fair Grounds

(Near Waynesville & Lake Junaluska)

Admission - $4.00 in advance or $5.00 at the gate.

Make your plans early, this is Bele Chere Festival Weekend in downtown Asheville and Folkmoot Festival time in Haywood County, which means there will be lots of activities in the area - a perfect time to plan a mini-vacation to the mountains.

For Dealer Information Contact
TED LAPIER, N4MRY
(704) 253-5234

For General and Flea Market Information
TOMMIE QUEEN, K4BNP
(704) 258-2639

VE/VEC EXAMINATION SCHEDULE Continues

Bristol, Piney Flats (W5YI-VEC)
Walk-in exams all classes last Thursday of each month, 7:00 PM at Piney Flats Fire Hall. Commercial exams also 1st month of each quarter on day before Amateur Exams. For info call Bill Owen, W4VS (615) 968-3350 or Bob Alexander, WA4KHD (615) 968-3120. Special sessions also available as required, as well as facilities & accomodations for the handicapped.

Chattanooga CARC (ARRL-VEC)
Pre-Registration exams monthly except July and November at Red Cross Building, McCallie Ave. 6:00 PM. Contact Art Parry, WB4BGX (615) 886-4714.

Chattanooga (WCARS-VEC)
Walk-in exams first Monday odd months at Walker County Civic Center, Hwy. 27, Rock Springs, Ga. at 7:00 PM. Contact Alan Painter, WA4QCH (706) 866-1200 or Dale Harwood, N4VFF, (706) 937-5680.

Columbia (ARRL-VEC)
Walk-ins on 3rd Saturdays of odd months, 9:00 AM at the Whitthorne Middle School on the Hampshire Parkway, (Hwy 412W) Call WD4OMP (615) 381-6814. Talk-in on 147.12.

Fentress County (WCARS-VEC)
Walk-in exams 3rd Thursday, 1st month of each quarter, 7:00 PM at First Baptish Church of Jamestown. Note: Elements administered may be limited to Technician at some sessions. Call Mike Ledbetter, AB4BX 879-8626 or Fred Davis, K8DOC, 879-9268.

Gallatin (WCARS-VEC)
Exams conducted at Volunteer State C.C. at 2:00 PM. May 7, Aug. 6, Nov. 5.Call Ronnie L. Gilley, KA4LUG 452-0883 or Jerry Goodchild, K4DZR 824-7699.

Greeneville (WCARS-VEC)
Walk-in exams 4th Saturday odd months at Roby Adult Center on College St. May 27, Jul 22, Sep. 23, Nov. 25. Contact Abner Richards, KC4YVR (615) 639-6495.

Henry County (WCARS-VEC)
Walk-ins every 6 weeks at 9:00 AM at Henry County HS, Paris. May 27, Jul. 8, Aug. 19, Sep. 30, Nov. 11 and Dec. 23. Call Mackie Gallimore AA4YF, 247-5489 or Les Merrell, KQ4F 642-5966.

Jasper (WCARS-VEC)
Pre-Registration, with some walk-ins (exams limited), 2nd Sunday at Jasper Public Library 1:00 PM. May 7, Jun 11, Jul 9, Aug. 13, Sep. 10, Oct. 8, Nov. 12 & Dec. 10. Call Charles Wooten, KD4XX, 942-5116 or Wallace S. Brown, KD4XV, 942-2836.

Johnson City (WCARS-VEC)
Exams 3rd Saturday even months at 10:00 AM at ETSU, Room 223. Register 1/2 hour prior to exam. Jun 17, Aug. 19 & Dec. 16. Contact Charles Hensley, AC4QF, 743-5144 or C.V. Jayne, Jr., W4NHT, (retired) (615) 282-5822.

Knoxville (WCARS-VEC)
Pre-register till 9:30 AM, code begins at 10:00 AM, written 11:00 AM. 3rd Saturday of month at Pellissippi State Tech. Room B-129. May 20, Jun 4 (KNoxville Hamfest), Jun 17, Jul. 15, Aug. 19, Sep. 16, Oct 21, Nov. 18 & Dec. 16. Commercial exams also available. Call Ray Adams, N4BAQ, 688-7771 or Rich Slover, ND4F P.O. Box 30754, KNoxville, Tn. 37930.

McMinn County (WCARS-VEC)
Walk-in exams 2nd Monday at 8:00 PM, odd Months at Athens Municipal Building Council Chambers. Jul. 10, Sep. 11, and Nov. 13. Contact Evan Ray, WA4PNI (615) 263-9300.

Memphis (WCARS-VEC)
Walk-in exams 3rd and 4th Saturday of month at 9:00 AM, at Central Church on Winchester Road. May 20 & 27, Jun 17 & 24, July 15 & 22, Aug. 19 & 26, Sep. 16 & 23, Oct. 21 & 28, Nov. 18 & 25, Dec. 16 & 23. Contact Stan Moore, AC4CQ 795-5923 or Win Guin, W2GLJ (901) 754-4552.

Morristown (WCARS-VEC)
Walk-in exams at 7:30 PM last Wed. of odd months at Red Cross Bldg. (Elements may be limited to Technician at some exams) May 31, Jul. 26, Sep. 27, Nov. 29. Contact John Hall AD4JB (615) 581-4227 or Mary Brooks, KD4NOH (615) 587-1902..

Piney Flats (W5YI-VEC)
Walk-ins on last Thursday of every month at 7:00 PM at Piney Flats Fire Department. Contact Bill Owens, W4VS (615) 968-3350.

Virginia

Bedford (ARRL-VEC)
Walk-ins 2nd Sunday, 2:00 PM at LIberty Lake Park Admin Bldg. Call Bob Treacy, W2QZY (703) 297-5351.

Danville (W5YI-VEC)
Walk-in exams last Tuesday of month at Danville Community College, Hill Building. Registration starts at 6:30 PM. Contact Jim Thomas, KB4XK (919) 234-8938.

Fredericksburg (ARRL-VEC)
The Fredericksburg VE Team sponsors walk-in exams at 9:30 AM at the Salem Church Library on Salem Ch. Rd., in Spotsylvania. Sked: Aug. 26, Oct. 28. Contact Kelly Shaw, AC4MB (703) 891-5581 or Carolyn Cavanagh, AC4SK (703) 373-7076. Talk-in on 147.015+

Galax (BARC Club VEs)
Walk-in exams held 2nd Friday of each month at 7:00 PM at the Galax Education Center. Call Joe Kolb, W2NL (703) 766-3121.

Richmond (ARRL-VEC)
ARRL exams held 2nd Saturday, even months at J. Sargeant Reynolds Community Col. at 9:00 AM. Contact Rick Cook, AB4U (804) 798-5048.

Richmond (W5YI-VEC)
W5YI exams held 2nd Saturday of odd months at 9:00 AM at McGuire General Hospital. Contact Dow Pierce, WA4HMX (804) 232-8128.

Roanoke (WCARS-VEC)
Walk-in exams at Hollins College at 9:00 AM Pre-Register only. Contact Fred L. Horton, KZ4Y (703) 366-6266 or Ben Giavaden, N4BG, Rt. 7, Roanoke, Va. 24022.

Roanoke (ARRL-VEC)
Walk-in exams on 3rd Sunday (except Dec.) at 2:00 PM at the Red Cross Bldg. on Church Ave. SW. For info call C.W. Garrett, AD4AV (703) 774-3656.

Southeastern Virginia Exam Schedules
Walk-ins are ok but contact would like to know in advance you are coming. Fee for all tests is $5.90.

May 27, Jul. 29, Aug. 26, Sep. 30, Oct. 28, Nov. 25 - Gloucester RA College of Examiners (W5YI-VEC) Contact Fran Sterling KS4FO 693-2117.

Jun. 3, Dec. 7 - Virginia Beach ARC (ARRL-VEC) Contact Judy Rogers KD4JMA 468-9166.

Sep. 23 - ARRL Virginia State Conv., Va Beach Pavillion (ARRL VEC) **Southern Peninsula ARC. Contact Ed Brummer W4RTZ , 898-8031. Walkins.**

Oct. 7 - **Williamsburg ARC** (ARRL VEC) Contact Larry Boellhoff, W4TMN 566-1435.

Nov. 4 - **Portsmouth ARC** (ARRL VEC) Contact Art Thiemens, AA4AT 484-2857.

West Virginia

Beckley (W5YI-VEC)
Walk-in accepted with completed 610 form accepted at 6:00 PM, Room C108 & C109 of Mine Safety & Health Admin. Academy near Beckley. The exams are conducted by the Smoke Signal Ridge VE Team, and sponsored by the ARA, Northern Div. Contact Gary Holt (304) 787-5753, Barbara Marsh (304) 763-3559 or Alex Hedrick (304) 252-9765 or 255-9106.

Bluefield (W5YI-VEC)
Walk-in exams on 2nd Saturday of each quarter, Feb., May, Aug., and Nov. at 9:00 AM Bluefield State College. Contact Don Williams, WA4K (703) 326-3338 or (703) 326-2411.

Charleston (W5YI-VEC)
The Kanawha Valley group gives Novice thru Extra exams, 9:00 AM, on 3rd Saturday of the month at Holy Trinity Catholic church in Nitro. Walk-ins ok. Talk-in on 40-00 St. Albans repeater.

Glenville (ARRL-VEC)
The Pioneer ARA sponsors walk-in exams on 2nd Saturdays of Feb., May, Aug., and Nov. at the Glenville State college LIbrary at 1:00 PM. Contact call Dave Ramezan, KA8ZXP (304) 462-7988.

Huntington TARA (W5YI-VEC)
Walk-in exams by the Tri-State ARA VE Team at Our Lady of Fatima Church, 545 Norway Ave. Check-in by 9:15 AM, exams at 10:00 AM. Call Jim Baker, K8KVX (304) 736-6542.

Nitro (W5YI-VEC)
Walk-in exams (register at site) are held at the Holy Trinity Catholic Church. Registration begins at 9:00 AM.. Call Jimmie Hewlett, WD8MKS (304) 768-1142.

Parkersburg (W5YI-VEC)
Walk-in exams (register at site) are held 2nd Saturday of the months of Feb., April, June, Aug., Oct., and Dec. at 10:00 AM at the E.O.C. on Staunton Ave., Rt. 47. Also Commercial tests. For info Call Dana Pickens, WV8G (304) 422-1823.

NOTE TO PROSPECTIVE EXAMINEES:
It is always a good idea to call the contact person to get full information as to what is expected of you when you arrive at the exam site. Many schedules are distributed in advance and changes occur. All examiners will require you bring: (1) Your original license. (2) A copy of your license. (3) Any original CSCEs you may have. (4) A copy of CSCE. (5) Identification, preferably photo I.D. with birth date showing. (6) checks are usually preferred payment.

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Designed to meet the Heavy Duty requirements of MIL-STD-810...

- ★ C-MOS microcomputer control
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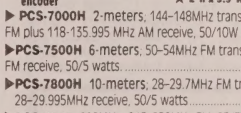

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The Model DM-10 Headphones (left) and the Model HS-03 Headphones with Boom Microphone (right) have been specifically designed to enhance voice reception and transmission. The lightweight, soft ear pads and adjustable headband permit long hours of use. The earphones on both models have a 20Ω impedance and a 200-5000Hz response with a 6dB rise at 2400Hz. 1/4" phone plug is supplied. The dynamic boom microphone on the HS-03 features a 500Ω impedance and a 300-4000Hz response with a 6dB rise at 2500Hz. An 8-pin connector is supplied. DM-10 **$49.95** • HS-03 **$69.95**

QRV Electronics
503 Main St. - 106-A
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Ph/Fax 706-743-3344

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WINTENNA

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9209	- 2m 9dB gain base antenna	$ 35.00
9206	- 2m 6dB gain base antenna	$ 29.00
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THE POWER STATION is a 12v x 7.0 AmpHr gel-cell battery complete with voltmeter, wall charger and a cord for charging via automobiles. It will power most HT's at 5 watts for 2-4 weeks

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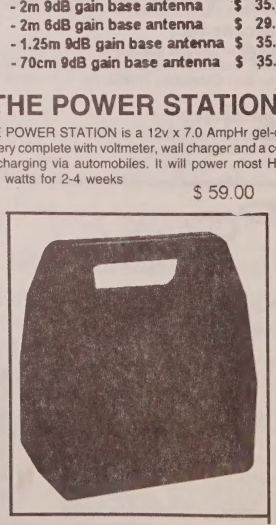

VECTRONICS

ANTENNA TUNERS

▶**VC-300M** Mobile Antenna Tuner Compact, lightweight and economical for base or mobile. Compatible with almost any antenna, including vertical, dipoles, inverted Vees, beams and mobile whips that are fed by coaxial cable, and open feeders, balanced lines, or single wires. Designed to provide matching from 1.8 to 30 MHz, and up to 300W continuous RF power capability. Dual-movement cross-needle meter simultaneously monitors RF power and SWR. Compact – 7¾"w x 3½"h x 8¾"d, 2½ lbs .....

▶**VC-300DLP** Antenna Tuner A good quality, economical antenna tuner designed to provide matching from 1.8 to 30 MHz, and up to 300W continuous RF power capability from 3.5 to 30MHz (150W on 1.8MHz). Built-in dummy load, a dual-movement cross-needle peak or average reading meter, and a meter light. Compatible with almost any antenna including verticals, dipoles inverted Vees, beams and mobile whips that are fed by coaxial cable, and balanced lines or single wire; a 4:1 balun and six position antenna selector switch are built-in. 10¼"w x 9½"d x 3½"h, 3¾ lbs.

▶**HFT-1500** Antenna Tuner Rated 1500W (3KW PEP) 1.8 to 30MHz, 1000W (2KW PEP) on 160 and 10M. Features a cranked continuous roller inductor with a turns counter, and vernier tuning on both the antenna and input capacitors. A dual-movement cross-needle meter shows average forward and reverse power, and SWR; a 21-segment digital bargraph indicates peak power. For accuracy, a true RF directional coupler sensor is used for the internal wattmeter function. Includes a built-in 4:1 balun for balanced antenna feedline and six-position antenna selector switch. 5½"h x 12½"w x 12"d, 10 lbs.....

1995 PYRAMID

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5AMP POWER SUPPLY w/CIGARETTE ADAPTER

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- 7 Amp Surge Capacity
- Protects Against Dangerous Voltage Surges
- Cigarette Lighter Adapter
- Thermal Pre-Amp
- 110V AC Input
- Power On/Off Switch

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⚠ PS14K
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- Short Circuit & Overload Protection
- Thermal Protection
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- Heavy Duty Metal Housing
- Power On/Off Switch

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⚠ PS21K
17 AMP POWER SUPPLY

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- 14 Amp Constant
- Output 13.8 VDC
- 17 Amp Constant
- 20 Amp Surge Capacity
- Short Circuit Protection w/Auto Reset
- Protects Against Dangerous Voltage Surges
- Thermal Protection
- Heavy Duty Metal Housing
- 110V AC Input/Power On/Off Switch
- Built in Cooling Fan

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⚠ PS36K
31 AMP POWER SUPPLY

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- Fully Regulated, Low Ripple
- Adjustable Voltage from 11 to 13.8 Volts
- 31 Amp Constant
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- Protects Against Dangerous Voltage Surges
- Built in Crowbar Protection
- Current Adjustable
- Heavy Duty Metal Housing
- 110V AC Input
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West Virginia Notes - by Ted Wolfe

Send News to: WD4KHL P.O. BOX 133, CABIN CREEK, WV 25035

If you're like I am you have to plan your computer equipment purchases ahead of time. I don't have the financial resources to buy what I'd like when I would like to, so I have set up a schedule or priority for future purchases, then save money each month toward that goal. For example, one of my first purchases since upgrading to a 386 motherboard was a color monitor.

Next on the list was a 14.4kb phone modem, which I have now purchased, and I'll have more on that in just a moment. Next on my priority list is a RAM upgrade and beyond that is a CD-ROM drive. And while I may have to pass on a couple of hamfests this summer I do want to go to Shelby this fall on Labor Day weekend.

I wanted to do that last year but summer was over before I knew it and I hadn't put aside enough money for that trip. I worked in the South, heard about Shelby, but in all that time I never made it. This year I definately plan to try.

Now, back to the modem. After buying one with all the software to run under WINDOWS (which I don't yet have enough RAM to run) I had to get it up and running. John Harmon, N4OKL, and I have been on the phone recently for a couple of hours (midnight to 2:00 a.m.) for a couple of nights to try to get the parameters set in my communications program and to get the modem to sign on under MS-DOS.

As this is written, I think we have everything set. After this goes off to the editor, either John or Bruce James, KB8KAC, will come to my house to demonstrate uploads and dowloads, etc. Both are experienced modem users. I have already had landline QSOs with John and Bill Loftis, N8RKU, at Belle, and I have successfully accessed the free West Virginia Library Commission database.

* * ***

The state here has a system with local access numbers in Charleston, Wheeling and Clarksburg. But the rural areas are not forgotten. Two free 800 numbers are provided, one in the northern half of the state, another here in the southern end.

*****

After the February Journal came out I received a packet message from Matt Koval, KB8YEZ, of Wheeling. He wanted to know if I would like for him to send me information on ham activities in the Ohio County area (way up there in the state's northern panhandle). I told him all information is welcome, that about my only source from up there is what is included in the monthly TSRAC Amateur Radio News Bulletin.

Matt came through with some information for this, the May issue, and it is presented here:

The Northern Panhandle ARC meets at 8:00 p.m. on the last Friday of each month in the basement of the Wheeling city/county building. Everyone is welcome.

The Ohio County ARES/RACES organization now has the capablity to assist the Office of Emergency Services during floods, hazmat calls, or other emgergencies, or when called upon, to transmit pictures back to the EOC so officials may directly observe the situation at the emergency site. Video may be sent direct or through Marty's (KB8QHO) ATV repeater. ARES/RACES have stations in the EOC and in the county's mobile emergency command post (which also has HF, VHF, UHF, and packet availability in addition to the ATV). The orginization also has a station in the Ohio Valley Medical Center (with VHF, UHF, and packet), and a portable packet station which can be dispatched to where it is needed most.

About 20 hams worked with the Ohio County ARES/RACES and the Red Cross during the latter's mock emergency drill on March 11th.

They were set up in the Ohio Valley Mall.

Also coming up in May ARES/RACES will work with the county and the Northern Ohio River Mutual Aid Co-Op (NORMAC) on a Haz-mat drill at a local welding supply firm. This May 18th drill is to be a full county alert with simulated victims and involving a number of government agencies (police, fire, rescue, etc).

*****

May 23rd will be the Wheeling leg of the K-Mart Classic bike race. Elby's "Big Boy" races are set for May 26 and 27, starting on Friday with a one mile "fun run" for those individuals who are not up to taking part in the "big" race.

Close to 15-hundred racers are expected on Saturday for the 20K (12+ miles) featured race. Forty ham station positions will be set up along the course. The group has 17 years of experience with this race.

*****

Matt, KA8YEZ, at deadline was waiting for coordination on his 440 repeater which has been on for six months now on 443.025 with a 77.0 Hz tone. He has linking capability with the club's repeater on 146.760 Mhz (W8ZQ).

ARES/RACES nets are on Sunday night, 8:00 p.m., on the W8ZQ and KA8YEZ repeaters.

Neighboring Marshall county's ARES nets are on Monday nights. The first on 28.480 USB starts a 8:00 p.m. That is followed later by the 2-meter portion on the 146.910 Mhz repeater.

And that was the info sent in by Matt, with an assist, he says, from Bob, KC8CR, the Ohio County EC.

Continued on Page 47

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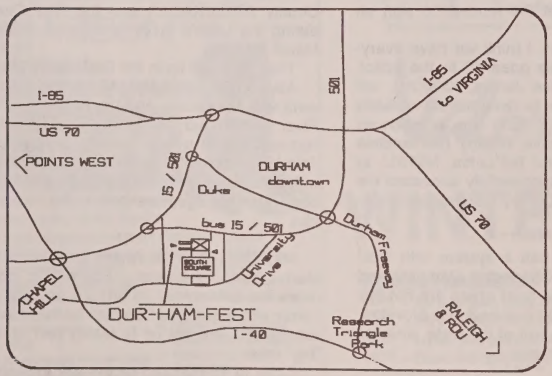

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West Virginia Notes Continues

Right at deadline I received a letter from Calvin Christian, KB8LPP, with news of the Southern West Virginia ARC. SWARC elected new officers at its Feb 18th meeting at the Greenbrier Valley Airport. The new president is Paul Herr, KD8WY. Other officers for 1995 are: Aaron Mody, KG8BR, vice president; William Ciscle, KB8NWU, secretary/treasurer; Herb Montgomery, KF8ZH and Connie Johnston, KB8TEI, trustees.

The club will participate later in the year in the K-Mart Classic, the WVSOM 10-K run, the MS Walkathon and the MS bike tour.

And the Lewisburg area will be getting a new 440 repeater soon. Also amateur Fred Morrison (no call provided) became a recent silent key. He was the Pocahontas County EC and was active on the HF nets.

Thanks, Calvin, for the quarterly update on SWVARC activities. It is appreciated.

* * * * *

The 11th annual Charleston, WV, area Hamfest and Computer Show was held Sunday, Mar 26, at the Civic Center. Doug Sweeney, N8AJC, was named the Kanawha Valley Amateur of the Year for 1995 during the hamfest.

The hamfest program had a very nice center spread, including photograph of the late Randy Cowles, WA8IWZ, who was chosen last year as KARC's 1994 Kanawha Valley Amateur of the Year.

Randy worked for years helping prospective hams get their licenses and to get on the air. He will be missed.

I ran into Bob Welling, KA8MLQ, Dunbar, at the hamfest. He is recovering splendidly from the stroke he suffered recently.

* * * * *

New officers for the Kanawha ARC were installed at a dinner in early January after my deadline for the February issue. Those officers are: Jim Damorn, N8TMW, president; Mac McMillian, WD8OZT, vice president; Ann Rinehart, KA8ZGY, secretary; Bill Hunter, K8BS, treasurer, and Mike Mrvosh, W8LCZ, publicity chairman.

* * * * *

And from the latest copy (Feb 1995) of the "CURRENT,' newsletter of the East River ARC at Bluefield, there was a tribute to the late E. W. Meador, W8EWM, one of the oldest operators in the area. He became interested in amateur radio back in the 1920's. E. W. was retired from Appalachian Power where he worked in the communications department as an engineer.

* * * * *

The Parkersburg area RACES newsletter for March has an item worth passing along. Members of the Army MARS program have been coordinating a MARS packet radio network in West Virginia. Phil, K8MHR, and Bill, WD5GKE, announced at that time their interest in locating a tower site to install a node in Wood or one of the surrounding counties. Wood County Emergency Service and Wood County RACES agreed to have the node at the Red Hill tower site.

When the new tower is completed and a housing unit built the temporary equipment already installed will be moved. The newsletter did not detail a frequency or node call, but I am sure Army MARS operators will learn that information through their organization channels.

* * * * *

It didn't pay me to write about the SEDAN system path I finally found for keyboard to keyboard contacts with my friend Shirl, KD4HB, at Columbia, SC. No sooner was it in print than the JAX node at Fort Jackson, SC, went down. We lost our path for two months, but JAX recently showed up back on the air just as another ham was about to establish node CSC at Columbia on the SEDAN system. Just what the situation is at present with those plans, I do not know but will write about it next time if I learn anything.

* * * * *

The WB8CQV bbs in South Charleston, where I receive my packet mail, has been down for the week preceeding my deadline.

If there are any messages there for me, any information therein will have to wait for the next issue of the Journal. Sorry!

* * * * *

Mark, KJ4QQ, in Bluefield sent me a packet note that the newly opened and dedicated Mercer County Emergency 911 Center, located between Bluefield and Princeton on US route 460, has the DAREN station MERCES/PCTNES installed there. Equipment includes a Yaesu FT-2500 (2-meter) and FT-7400 (70 Cm) rigs, complete with individual power supplies and battery backup in case the propane generator fails. The latter equipment should be installed by the time this issue of the Journal reaches you. There are plans to install an hf radio at the center soon to complete the ham radio installations. Equipping the amateur position is a project of

Continued on Next page

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INFORMATION	F.C.C. EXAM
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ADMISSION	TABLES $5.00 each	TALK-IN	PRIZES
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West Virginia News Continues

the East River ARC. The 911 center's director, T. K. Mullins, Mark reports, has been very supportive of the idea of a ham station being installed at the center.

* * * * *

At the Charleston hamfest I ran into Ken, WA8LLM, from Parkersburg, one of the driving forces behind the statewide DAREN (Digital Amateur Radio Emergency Network) system on 145.690 Mhz, and asked him to write up a brief overview of the statewide disaster drill that was staged in cooperation with the Red Cross on Sat, Mar 11. He promised to write up a summary and dispatch it to me via packet (and the DAREN net, naturally), so when it arrives I will include it with my submission to the editor for the May Journal. He may use it as a separate story, apart from my quarterly column here.

In other DAREN notes, Rob, WM8S, in Charleston reported the Charleston METRO station is up an running permanently. The mailbox is METRO, the Digipeater is CHAS-ES, and the keyboard call is WM8S-3.

Skip, K8SOR, has moved to Jackson County and has turned over his Nicholas County station to another operator. He was working with Mike, N8WMU, to get the new sysop acquainted with the station. Thirty-three of West Virginia's 55 counties now have DAREN stations in operation.

* * * * *

Noted from the TSRAC ARNB: David Funderburk, K4TJP, now represents North Carolina's 2nd District in the U. S. House of Representatives. Republican Funderburk 50, fills the seat of a retiring Democrat.

The new congressman was first licensed at age 15.

Another month of May note from the ARNB: Samuel Finley Breese Morse opened the first telegraph station in Washington, DC, in May 1844.

* * * * *

The 1995 Dayton hamvention will be over by the time this issue goes to press. But the ARNB says effective next year, in 1996, the Dayton Hamvention is moving to a May date--the third week in May.

* * * * *

On June 3rd and 4th the TSRAC Communications Van emergency team will have the club van at Wheeling Park High School assisting and participating in the Ohio Valley emergency medical services competition exercise. This will be a good test for equipment and operators in advance of Field Day in the latter part of the month.

And I'll quote a paragraph of praise from the ARNB. It is in recognition of this column and SERA:

"On behalf of the Triple States Radio amateur Club, Inc, I want to thank you very much for the writeup on our Club, its Recognition Dinner, etc. It is doubly appreciated since TSRAC is the largest club in the jurisdictions of Western Pennsylvania, the West Virginia Section and the Ohio section but NONE of those sections in QST ever mentions TSRAC in their columns, even though visits have been made to our WHEELING HAMFEST-COMPUTER SHOW as an example and they are on our mailout list. This I don't understand, thus it is a real pleasure to read in your column THERE IS SUCH A CLUB CALLED 'TSRAC'".

TSRAC, by the way, has members in all 50 states and three foreign countries. This year's Hamfest-Computer Show will be at Wheeling Park, Wheeling, WV, Sunday, May 14, from 8:00 a.m. to 3:00 p.m.

* * * * *

I haven't received any kind of official notice but I believe the date for the WV State Convention and Hamfest at Jackson's Mill is July 1 and 2.

* * * * *

And that covers everything I can find filed away for submission for this entry of the Journal. Remember, I can print only what I learn from listening on the air, from your club newsletters which you send me, or what I receive through the mail or via packet (WD4KHL @ WB8CQV.WV.USA.NA). Your items and photographs are solicited and appreciated.

Packet Gets Through

After everything for the May issue of the Journal was printed out and a disk made to send to the editor, an interesting note was included in the weekly DAREN news on Sunday, 2 April. I decided to send it along to the editor also. Ken Harris, WA8LLM, writes the weekly news release which is distributed statewide on packet via the DAREN system on 145.690 Mhz, so all credit should go to him. Ted Wolfe - WD4KHL)

(Excerpted from DAREN News, April 2, 1995)

Terry, KB8EIR, said the two packet stations that were purchased by the Davis Memorial Hospital in Elkins paid for themselves March 24th when a structure fire cut off communications into and out of Randolph and Tucker counties (in West Virginia). The fire damaged a telephone fiber optic cable, isolating the two counties from the rest of the world.

With no telephone communications the Davis Memorial Hospital could not tell the Tucker County Emergency Ambulance Center, or anyone else, what had happened.

Terry was able to establish a packet radio link between the two emergency departments for about three hours during the telephone outage. He tried to make contact with someone in Morgantown, but was unable to do so.

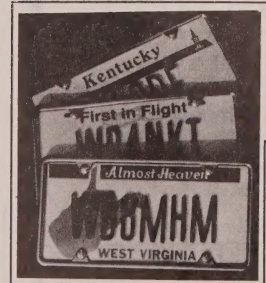
The incident in Randolph County got me to thinking about what could have been done if Terry had been able to contact someone outside of the isolated area. Telephone calls (outside the affected area could have been made) to other hospitals and radio operators could have established other radio links and nets.

We keep a list of operators who check the PBBSs in their area on a daily basis for messages that need to be delivered. What we need now is a list of operators and/or stations that have someone within sight of the tnc and monitor screen. If Terry had had a list of operators that he could have chosen from, he could have advised the hospital in Morgantown of the situation.

I am going to modify some of the stations in our area with an external alerting system. For instance, the station at my house will have a sounding device that will sound when someone connects to the station callsign. I know I've missed calls when someone has connected to my station while I was away from it watching television or sleeping. Even at night I could be alerted to a possible emergency.

The station at the Wood County EOC will have external lights that will be located on the Emergency Services Director's and Secretary' desks. If the light comes on, they can contact one of the packet operators in the county so they can find out what is happening. If you think it is a good idea and modify your station, let me know how it alerts and how much of the day it might be monitored. If we could get stations installed in locations that are manned 24-hours a day, just think how reliable it would be to contact someone anywhere in the state. Just a though!

There were 78 check-ins to this week's statewide DAREN net. (The net is held from 7:30 to 9:30 p.m. each Saturday night. Individual operators connect to NET and get back a message confirming their check-in, then get an automatic disconnect to make way for the next connect from the next person from around the state trying to check in)



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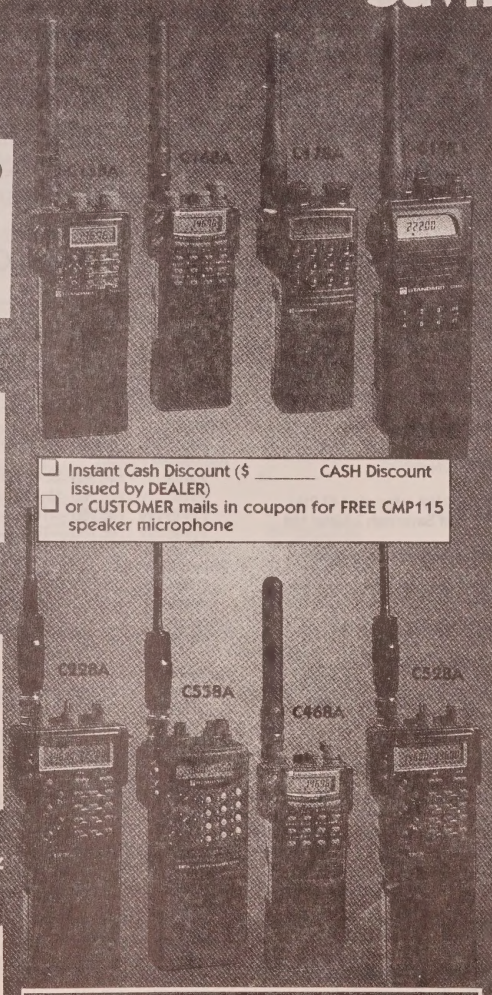
- DTMF squelch with Paging
- Scanning-busy, pause or hold



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- Scanning-busy, pause or hold

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C468A 440MHz
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- 400-474 MHz extended receive
- CTCSS Encode/Decode
- DTMF squelch with Paging
- Scanning-busy, pause or hold

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- DTMF squelch with Paging
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W4PME 145.410 ——W—— 20:00 QCWA Net
Atlanta/Marietta
N4NEQ 147.345 ——W—— 21:00 ATN Net (ATV oriented)
Baldwin
WD4NHW 147.180 SMTuWThFS 21:00
Carrollton
W4FWD 146.640 ———Th— 20:00 Carroll County ARES Net
W4FWD 146.640 -M——— 20:00 West Georgia Two Meter Net
Cordele
KA4WUJ 145.490 ———Th— 21:00 Flint ARC Net
Dallas
WD4LUQ 146.895 ——W—— 20:00 Southeastern Linked Rpt Net
WD4LUQ 444.700 ——W—— 20:00 Southeastern Linked Rpt Net
Dalton
N4BZJ 147.135 ——W—— 21:00 North GA Linked Repeater Net
N4KVC 224.740 ——W—— 21:00 NGA Link Repeater Net
Douglas
K4SES 147.045 -M——— 20:30 Net
Douglasville
N4ZCV 145.110 ——W—— 20:00 SCARS Emergency Practice Net
N4ZCV 145.110 S——— 20:00 KB4BAW Trivia Net
Ellijay
KC4ZGN 442.700 -M——— 20:00 Local Net
Jonesboro
WA4DIW 145.170 -M——— 20:00 C.A.R.E.S. Net
Lawrenceville
WD4JXR 147.075 ——W—— 20:00 ARES Net (1st & 3rd of month)
WD4JXR 147.075 —Tu——— 20:00 GARS Info Net (Want/Sell/Swap)
Milledgeville
K4FRM 147.135 S——— 21:00 Old Capital Net
Newnan
K4SEX 145.130 S——— 21:00 ARES Net
Savannah
KK4TO 146.700 S——— 21:00 CARS Net (alternate 147.21)
W4HBB 146.970 ———Th— 21:00 ARC of Savannah 2-Meter Net
Yorkville
WD4LUQ 224.880 ——W—— 20:00 Southeastern Linked Rpt Net

Kentucky Nets

Ashland
KA4OIL 146.940 SMTuWThFS 19:30 Tri-State Two Meter Net
Bardstown,Nelson
WB4GGH 145.470 S——— 21:00 KARS 2meter Net
Brooks
W4BDC 146.700 ———Th— 19:00 KY School for the Blind Net
W4BDC 146.700 -M——— 19:30 ARES Net
W4BDC 146.700 S——— 21:00 Powerhour Net
Crestwood
WD8ACR 147.390 —Tu——— 20:00 RACES Net (Members only)
WD8ACR 147.390 -M——— 20:00 OCARC Net
WD8ACR 147.390 ———S 10:00 RACES Net (Members only)
Glasgow
W4WZH 146.940 SMTuWThFS 20:00 Cave Area Repeater Net
Halls Gap
WD8PRH 145.170 -M——— 21:00 Traders Net
WD8PRH 145.170 —Tu——— 21:00 YL Net
Hazard
WD8PRH 146.805 —Tu——— 21:00 YL Net
WD8PRH 146.805 -M——— 21:00 Traders Net
Irvine
WB4AIA 146.820 —Tu——— 20:30 Newcomers/Traders Net
WB4AIA 146.820 ——W—— 20:00 Southern Repeater Net
AD4RU 147.015 ———F- 19:00 ARES Net
Lexington/Grgtwn
WD8PRH 145.210 —Tu——— 21:00 YL Net
WD8PRH 145.210 -M——— 21:00 Trader's Net
Louisville
WD8PRH 145.230 —Tu——— 21:00 YL Net
WD8PRH 145.230 -M——— 21:00 Trader's Net
W4PJZ 147.030 —Tu——— 23:00 RACES Net
W4PJZ 147.030 ———S 13:00 RACES Net
Murray
WB4NTB 146.940 -M——— 21:00 Murray Area Net
Pineville
WA4YZY 146.640 -M——— 20:00 MARC Linked Repeater Net
Salvisa
KC4ZOX 146.835 ——W—— 21:00 Mercer Anderson RC ARES Net
Shelbyville
KE4LR 147.000 ——W—— 21:00 ARES Net

Mississippi Nets

Amory
KB5DWX 146.940 -M——— 20:30 Welcome Net
Biloxi
KC5IF 146.730 ——W—— 20:00 CARES Net
Bude
K5JMD 146.850 ———Th— 19:00 SW MS Amateur Radio Net
Each Thursday except 2nd Thursday
Ellisville
N5DWU 146.865 SMTuWThFS 20:00 PBRA Net (Linked with other MS repeaters)
Gulfport
KA5VFU 147.375 —Tu——— 20:00 Magnolia DX Net
Laurel
KB5RQL 146.610 —Tu——— 19:30 Net
AJ0X 443.500 SMTuWThFS 20:00 Pine Belt Rpt Assoc
Louisville
KB5PKU 147.360 ———F- 21:00 2-mtr Emergency Net
Used to check/test radio equipment & during severe weather
Meridian
W5DEJ 146.700 —Tu——— 19:00 Meridian ARC 2-meter Net

North Carolina Nets

Albemarle
K4OGB 146.985 ——W—— 21:00 Stanly Co. ARC Net
Andrews/Robbinsville
K4AIH 147.045 -M——— 21:00 Magnolia Net (YL & XYL Net)
K4AIH 147.045 —Tu——— 20:00 Smokey Mt Amtr Radio Team Net
K4AIH 147.045 ——W—— 21:30 Triode ARC Net
Anderson Mtn/Denver
KD4MMB 145.170 ———Th— 20:00 Centralina ARC Net
Asheville
WB4PLA 146.835 ———F- 21:00 Smokey Mtn Rpt Assoc Net
Ashville/Mt Pisgah
WA4BVW 146.760 ———Th— 20:30 RACES Net
WA4BVW 146.760 -M—W—F- 09:00 Good Morning Net
WA4BVW 146.760 —Tu——— 18:00 Young Amateurs Net
WA4BVW 146.760 —Tu——— 20:30 VHF Traffic Net
WA4BVW 224.260 S——— 21:00 Net
Boone/Rich Mtn
WA4KDB 147.360 ———Th— 21:00 Watauga ARC Net
WA4KDB 147.360 ——W—— 20:30 Carolina's DX Assoc Net
Brevard
K4GBH 147.135 ———Th— 20:00 Transylvania Co ARC Net
(Except 2nd Thursday of the month)
Clinton
K4OAR 146.790 SMTuWThFS 20:00 Local Net
Columbia
KB4TOH 145.110 ——W—— 21:00 Albemarle Emergency Net
Eden
WA4WGY 224.780 -M——— 21:00 Rockingham Co. ARES Net
Franklin
W4GHZ 147.240 SMTuWThFS 21:00 Franklin 84/24 Net
Goldsboro
K4CYP 146.850 —Tu——— 19:30 Local Net
Greensboro
W4GG 147.030 ——W—— 21:00 G.A.S. Net
AD4BX 224.820 -M——— 20:00 Piedmont Amateur Swap Shop Net
Grifton
W4NBR 146.685 —Tu——— 20:00 Skywarn Net
W4NBR 146.685 ———Th— 21:00 ENC Emergency Net
W4NBR 146.685 SMTuWThFS 20:30 ENC Traffic Net
Jacksonville
KA4SQN 145.190 ——W—— 21:00 Onslow County RACES/ARES
Onslow County Emergency Communications Training Net
WD4FVO 147.000 ———Th— 20:00 Onslow ARC Rag Chew Net
Kinston
W4OIX 145.470 -M——— 20:00 KARS Net 1st, 3rd, & 4th Tuesday
Lenoir
N4NIN 147.195 S——— 21:00 Lenoir ARC Net
Morganton
K4VLY 147.150 ——W—— 21:00 Western Piedmont VHF Net
Mount Airy
KD4FWS 53.070 ——W—— 20:00 Traders and Tech Net
N4XRY 146.970 ———Th— 20:00 Bear Creek ARC Net
Mt Mitchel
WA4BVW 145.190 ———S 21:00 6600 Net
WA4BVW 145.190 S——— 21:00 Shriner's Net
WA4BVW 224.540 -M——— 21:00 Net
Newton
AG4L 147.075 —Tu——— 19:30 Catawba County RACES Net

More Repeater Nets . . .

Raleigh

W4DW	146.640	-MTuWThF-	20:00	RARS 2Meter Net
W4DW	146.640	——Th——	21:00	Trader's Net
W4DW	146.640	-M———	21:30	Scanner SWL Net

Raleigh/Benson

AK4H	147.270	——W——	21:00	JARS Trader's Net
AK4H	147.270	SMTuWThFS	20:30	Jars Net

Red Springs

W4MZP	147.300	——W——	21:00	RAGchew Net

Rockingham

WD4AVP	146.955	—Tu———	19:30	RCARC ARES Net

Sauratown Mtn

K4JYH	147.315	-M———	20:00	Traders Net
K4JYH	147.315	-MTuWThF-	14:00	Vagabond Net

Wilmington

AD4DN	146.670	——W——	19:00	New Hanover County ARES Net

South Carolina Nets

Anderson/Sas Mtn

W4FVV	146.790	SMTuWThFS	20:30	Anderson Radio Club 2mtr Net

Columbia

KC4GYM	146.775	S———	20:30	CARC Sunday Night Net

Gilbert

KC4GYM	145.430	S———	20:30	CARC Sunday Night Net

Myrtle Beach

WD4JMT	147.120	——Th——	20:00	GSARC 2Meter Net

Union

KD4YFB	145.250	——W——	21:00	Net

West Columbia

KC4GYM	145.270	S———	20:30	CARC Sunday Night Net
KC4GYM	444.200	S———	20:30	CARC Sunday Night Net

Tennessee Nets

Bristol

WB4DKI	146.670	—Tu———	21:00	Bristol Two Meter Net

Bristol/Holston Mtn

K4LSP	444.500	—Tu———	20:00	Holston Valley Traffic Net
K4LSP	444.500	S———	19:30	NOAA Weather Net
K4LSP	444.500	——Th——	21:00	Trader's Net
K4LSP	146.760	—Tu———	20:00	Holston Valley Traffic Net
K4LSP	146.760	S———	19:30	NOAA Weather Net
K4LSP	146.760	——Th——	21:00	Trader's Net

Chattanooga

WJ9J	442.150	——W——	20:00	Wide Area Southeastern Linked Rpt Net

Collegedale

KE4QS	147.000	——Th——	19:00	147 Repeater Net

Columbia

WA4ZYX	147.120	-MTuWThF-	20:30	MARC Traffic Net

Cookeville

N4WS	147.210	-M———	20:00	Roane County Net
N4WS	147.210	—Tu———	19:30	Tri-County Net (White, VanBuron, DeKalb counties)
N4WS	147.210	—Tu———	20:30	Cookeville Rpt Assoc Net

Crossville

AC4AA	146.865	S———	20:00	Local ARES Net

Gallatin

WD4BKY	147.240	-M———	19:00	Sumner Co. Preparness Net

Kingsport/Bays Mtn

W4TRC	146.970	S———	20:00	Kingsport 2-Meter Net

Knoxville

WA4TEM	145.330	-MTuWThF-	07:30	Brake Light Net

Manchester

W4UOT	146.700	——Th——	19:00	Net (except 2nd Thursday)

Petros/Frz Hd Mtn

KJ4SI	147.255	——W——	20:00	Southeastern Repeater Link Net

Shelbyville

N4VFB	147.060	-M———	19:00	ARCS Two Meter Net

Soddy Daisy

WJ9J	444.450	——W——	20:00	Wide Area Southeast Linked Rpt Net

Virginia Nets

Abingdon/Brmly Mtn

K4LSP	146.610	———F-	20:00	YL Net

Accomac

WA4TVS	147.255	-M———	20:30	ESHARES Net

Blacksburg

AB9I	146.715	—Tu———	21:00	VTARA Net

Chesterfield

KA4CBB	147.360	—Tu———	21:00	Chesterfield Co High Speed CW Net
KA4CBB	147.360	—Tu———	20:00	Chesterfield Co CW Net
KA4CBB	147.360	S———	21:00	Chesterfield Co ARES Net, 2nd Sunday night of each month

Covington

WA4HTI	146.805	——Th——	19:30	Mountaineer ARES Net
WA4HTI	146.805	SMTuWThFS	20:00	Alleghany Regional Emergency Service Net

Dublin

K4HZS	146.670	-M———	20:00	Black Hollow ARA Net

Fancy Gap

N4XRY	444.900	-M———	20:00	Piedmont Amateur Swap Shop Net

Gloucester

KC4TOG	145.370	——Th——	20:00	Gloucester ARES Net

Grundy/Big A Mtn

KK4EH	146.835	-M———	21:30	Clinch Valley Emergency Net

Hampton

K4DHO	146.730	——W——	20:00	SPARK Net

Lexington/Rock Mt.

KI4ZR	53.010	———S	21:00	Net
KI4ZR	147.330	—Tu———	21:00	Net

Norfolk

KS4DJ	147.075	———	19:30	Norfolk ARES Net - Meets 1st & 4th Tuesday of each month

Pearisburg

N4AZJ	147.135	SMTuWThFS	20:30	Friendship Traffic & Info Net of the Virginias

Pks Kb/Pulaski

WB3S	147.180	S———	20:45	NRVARC Net
WB3S	147.180	——Th——	19:30	Pulaski Co ARES Net

Portsmouth

W4POX	146.850	—Tu———	20:00	PARC Club Net

Richmond

K4YPE	145.110	-M———	21:00	News & Info. Net
WA4ZBE	146.880	S———	21:00	Chesterfield ARES
WA4ZBE	146.880	——Th——	19:30	Trader's Net
WA4ZBE	146.880	-M———	20:40	Newsline

Roanoke/Poor Mt

W4CA	146.985	——W——	20:00	Roanoke Valley ARC Net

Walkerton

KA4DZU	146.715	—Tu———	19:30	New Kent ARES Net

Winchester

W4RKC	146.820	SMTuWThFS	19:15	SVEN - Shenandoah Valley Emergency Net (NTS Net)

West Virginia Nets

Beckley/EOC

N8TNB	145.370	SMTuWThFS	21:00	Black Diamond Traffic Net

Clarksburg

N8FMD	146.685	——Th——	20:00	ARES Net
N8FMD	147.210	—Tu———	20:00	STARA Club Net

Craigsville

N8FMD	145.270	——Th——	20:00	ARES Net

Davis

KE8MR	147.135	——Th——	20:00	ARES Net

Fenwick

KD8AB	146.940	—Tu———	19:00	Nicholas County Club Net

Liberty

W8HYX	145.410	S———	21:30	ARES/Info Net
W8HYX	145.410	S———	21:00	Code Practice Net
W8HYX	145.410	——W——	20:30	Swap Shop Net

Terra Alta

KD8ZR	147.000	S———	21:00	Net

Wheeling

W8ZQ	146.760	S———	20:00	Ohio County ARES/RACES Net

This listing of repeater nets in the area served by SERA is compiled from information reported to us by repeater owners, trustees, and club officials. Changes to this list should be sent to SERA, PO Box 215, Tobaccoville, NC 27050. *Last updated April 17, 1995*

Ask Not What You can do! - Editorial

Continued from Page 1

Henderson, WA4QQN, Buncomb County EC after they spend days working with floods in Western North Carolina -- see the story beginning on page 12, this issue.

Amateurs will continue to provide emergency assistance in the future. Our vision will be changing, but we'll still be needed. It is the duty of every person who is fortunate enough to have obtained an Amateur license to go out, join a club and participate in those "silly" little drills they have, those "dull" communications exercises that occur and those "boring" walk-a-thons.

Sometimes, someday you just may have to put what you have learned to use. I really hope you're ready, and show a good side when it's your turn! Your life may depend on it!

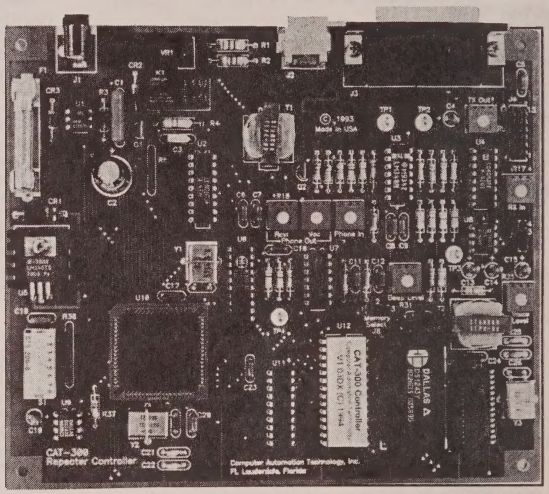
-Wayne C. Williams, K4MOB

CAT-300 Repeater Controller

Attention Repeater Owners
Finally a repeater controller with a TI voice synthesizer and full feature autopatch incredibly priced at ***$299.00.***

Features Include:

- ✓ *Voice Synthesizer*
- ✓ *(412) Word Vocabulary*
- ✓ *Twelve Voice Messages*
- ✓ *Two Voice Identifiers*
- ✓ *CW Identifier*
- ✓ *Full Feature Autopatch*
- ✓ *User Speed Dials*
- ✓ *Emergency Speed Dials*
- ✓ *Reverse Autopatch*
- ✓ *DTMF Key Pad Test*
- ✓ *DTMF Repeater Access*
- ✓ *DTMF Repeater Muting*
- ✓ *(56) Control Functions*
- ✓ *Remote Control Switches*
- ✓ *Hardware Logic Inputs*
- ✓ *DVR Controller Ready **



- ✓ *Female Voice & Sound Effects*
- ✓ *Programmable Courtesy Tones*
- ✓ *Programmable Codes and Timers*

** (Requires MF-1000 Serial Interface Card $59.00)*

Write or Call for a brochure describing the CAT-300 Controller, including schematic, voice word list, and control functions.

CAT-300 Controller Board $299.00 Wired and Tested

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THE NEW STANDARD IN REPEAT AUDIO PROCESSING TECHNOLOGY FROM C3I™

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• OUR OTHER OUTSTANDING PRODUCTS INCLUDE:

- C3I-1000D, AUDIO DELAY MODULE
- C3I-1000P, AUDIO PROCESS MODULE
- C3I-1000DTMF, A 16 BUTTON, ENCODER / DECODER FOR PANEL MOUNT
- C3I-1000SQV, SIGNAL QUALITY VERIFIER
- C3I-1000DVR, DIGITAL VOICE RECORDER WITH UP TO 8 MIN. RECORD

• ALL HAVE PROVEN THEMSELVES IN CONTINUOUS DUTY SERVICE ACROSS THE UNITED STATES AND INTERNATIONALLY. THANK YOU, OUR CUSTOMERS, FOR YOUR CONTINUED SUPPORT.

• C3I™ CONTINUES TO PROVIDE COMMERCIAL-GRADE, 19" RACK MOUNT, EMI-PROTECTED ENCLOSURES, COMPLETE WITH AN INTERNAL, CONTINUOUS DUTY, 3.8 AMP, DC SUPPLY FOR THE ENTIRE REPEATER CONTROLLER FAMILY FROM COMPUTER AUTOMATION TECHNOLOGIES (CAT-1000, 500, AND 300). WE WILL CONTINUE TO PROVIDE TURNKEY SYSTEMS AS WELL USING ANY CONTROLLER OF YOUR CHOICE, INTEGRATING OUR OPTIONS AS YOU DESIRE.

•LET US HELP YOU REACH TOP PERFORMANCE! CALL OR WRITE TODAY FOR YOUR FREE INFORMATION KIT ON ALL C3I™ PRODUCTS TO INCLUDE OUR LOW NOISE / HIGH IMAGE REJECTION RF PRESELECTORS, REMOTE LOCATION "RECEIVERS" TO ENHANCE YOUR MAIN SITE COVERAGE & OTHER AUDIO PRODUCTS. LOOK FOR US @ DAYTON HAMVENTION "95"

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(703) 684-6980 VOICE, (703) 684-1382 FAX

Owen Wormser, K6LEW . . . . Sam Ruffin, KM4OI

The Yen/Dollar Valuation is doing it!

Expect Amateur Radio Prices To Rise Slightly

Will we see "Sticker Shock Soon?

Amateur consumers took a small hit in late April as most all Amateur radio manufacturers issued a 2 to 5% base price increase on all radios and accessories.

This is not unlike any other products coming from Japan. The American dollar hit an "all-time" historical low against the Japanese Yen in mid April. This naturally means that an American distributor must pay more US dollars to get the Japanese product over here at the same Japanese price.

Before the government allowed the dollar to float on the world market, ten years ago, the US dollar would purchase over 250 Yen. Two years ago, the US dollar had fallen and would purchase only 150 Yen. This last month, a dollar would purchase only 80.9 yen. (Making products cost three times as much as just 10 years ago, based on monetary valuation alone, not counting increases due to inflation.

We can expect, over the coming months to see cars, TVs, Stereos, CD players, Cellular phone, or any consumer product imported from Japan going up in retail price.

It's simply a matter of economics. The distributors have absorbed the increased prices they have to pay as the American Dollar started skidding again about 2 years ago. Now the profit margins are so slim, even with such a competitive market, they all must finally pass along the extra cost to the consumer.

Some products may not reflect higher prices until late Summer, as some distributors have a fair inventory, but products they have had to buy this Spring and to date, will probably have the increases passed along.

Amateur radio manufacturer distributors in a "dog-eat-dog" competitive market of ham radio have had coupon deals, rebate deals, special add-ons and whatever else they could do to increase sales and gain in their market share. These deals continue, most of them, through the end of this month, but the base price increase will increase the "coupon deal" price slightly. We anticipate most manufacturers will continue their deals on through the summer.

These special deals have initiated a "false" low price for most amateur radio equipment. Along with the price increases and if the coupon deals discontinue, the amateur public is going be in for "sticker shock" when they go into a store or attend a hamfest.

Actually, we can still say that VHF and UHF radios are still quite a bargain. With today's ever increasing technology, we can get a radio today that does 1000 times what one did just 15 years ago, and not expect to pay any more for it than that one we bought in the early '80s.

Several manufacturers are looking at an "old/new" way of presenting a handheld radio for sale. To cut the price, you can now buy several models without nicad battery paks and charger, and an alkaline case added. This sometimes lowers the overall price of the handheld from $60 to $80.

This package was offered several years ago by many manufacturers for selected models, but didn't seem to go over very big. With today's pricing, and the moods of the buying public to save every possible dollar, the alkaline pak method just might become popular.

The average $300 to $400 radio will rise $10 to $15 as a result of the price increase. Coupon deals still keep the overall retail prices down from their normal amount by $10 to $50.

Multi-Band system going Up in Nashville

-by Richard Pryor, WD4BKY

On March 28 there was a meeting of hams in the Nashville area, to talk about 6 meters and the plan to put a multi-band repeater system on the air.

Bobby, WA4BGK, announced that all things are a "go" for the new system going on just North of Nashville this summer.

The new repeaters will be located on Music Mountain, 27 air miles North from the downtown Nashville area, near Gallatin. The antennas are located at the 80-foot level on the tower with a ground elevation of 1,000 feet. The 6-meter side of the system will be on 53.05 MHz and will be running around 100 watts.

On the other side of the system will be a UHF repeater on 444.00, also running around 100-watts. The UHF repeater will require a CTCSS tone of 107.2 for access. Both repeaters will be open for general use.

To top off the system, there will be a dual-band "QSY-able" remote base on 144 and 440 MHz. Future expansion could include an emergency autopatch, and a DVR voice mail system. The two repeaters which make up the package will be linked full time.

At the present, the 444.00 repeater is on the air for testing. The 53.05 repeater is also on, but not on the hill and not linked. A multi-repeater controller will be ordered soon. It will control both the rpeaters and the remote, and links. For information on this system, contact Bobby, WA4BGK or Richard, WD4BKY.

You Might Win!

Part of over $4,000 In Ham Prizes
in the

"Come Alive in '95"

SERA Membership Contest

The Repeater Journal - Your Area Dealers - and Many Manufacturers -
Have gotten together to sponsor the biggest contest we have ever held.

Thanks to these Participating Dealers

Communications HQ
Rays Amateur Elec.
The Country Ham
IRI Electronics
Virginia Ham Radio Supply
Williams Radio Sales
MediaPro

And Many Manufacturers Who will Assist in Prizes

You might be lucky . . .

See Page 20 and our Promo Ads for complete details. Contest Runs through September 3. The final Drawing will be held Sunday at the SARC Shelby NC Hamfest.

From the Repeater Journal Staff

Welcome - New members - to SERA!!

-from the Editor - Wayne C. Williams, K4MOB

As a result of our ongoing membership contest we have several hundred new readers this issue. There are also 119 new repeater memberships since February. If you are one of them, on behalf of the staff and officers of SERA, we welcome you to our little organization and most especially to the *Repeater Journal*.

We hope you will be pleased with your decision to join SERA.

The SouthEastern Repeater Assn., Inc. (SERA) was organized in 1971 with a goal of maintaining a communications link between repeater owners and users in their territory and to provide voluntary coordination of repeaters in the VHF/UHF spectrum of Amateur Radio.

The association has grown tremendously over the years and has kept up with the times of growth of Amateur radio. Our coordination policies, repeater database and frequency coordinator communications are second to none in the nation.

In 1971 there was one state, in 1973 there were 3, then 5 in 1984 and finally today we represent 8 states in the Southeast.

SERA proudly provides a coordination umbrella and communications link for:

- North Carolina
- South Carolina
- Kentucky
- Tennessee
- Virginia
- West Virginia
- Georgia
- Mississippi

Each state has an elected Director and Vice-Director who run affairs in their state and provide local coordination. They answer directly to the Board of Directors, and operate under the SERA By-Laws and Coordination Policy.

SERA also has something that no other coordination body in the nation has. You are reading it. The Repeater Journal started when the organization did in 1971. As did the organization, the Repeater Journal has grown over the years.

You will be receiving the Journal each quarter, May, August, November and February. Your comments about our organization and the Journal are always welcome. SERA is you -- your fellow repeater users, and over 1,100 repeater owners who voluntarily support the organization through membership.

If you have something to write about, news about your club, your repeater, or any idea or feature concerning ham radio, you are welcome to send them to the Journal for possible publication.

Again, a warm welcome to SERA. We hope you enjoy the Journal, and when renewal time comes up again next year, you will renew your membership and remain with us with your support. Thank you!!!

Former FCC Chief Bill Grenfell Dies

-from ARRL Letter

William S. Grenfell, W4GF, a former chief of the FCCs Amateur Branch and former chief of the Amateur Service Section died January 27 Vienna, Va. at the age of 82.

"Bill" worked for the FCC from 1940 until retiring in 1971. He got his first ham licensed in high school.

He was known widely in the Roanoke Division, as he traveled to many Virginia and North Carolina hamfests with his good friend, the late Phil Wicker, W4ACY who was then ARRL Roanoke Division Director.

The familiar faces of Wicker and Grenfell were around at the ARRL booths for many years greeting hams in their very gracious and friendly way.

Save 34%

Off the Cover Price of

The Repeater Journal

If you received this magazine in the mail, or purchased it from an Amateur vender, we invite you to join SERA for a year for only $8.00 and SAVE.

1. You Help support the area's premier Repeater Coordinating Council.

2. You get the Journal for only $2.00 per copy.

Use the Handy Application Form Located elsewhere in this issue.

Join SERA Today and Be A Part of This Great Amateur Organization!

$500 In Cash is Waiting for some Club

The Repeater Journal "Alive in '95" membership contest continues. Clubs can grab a chance at a $500 cash prize by merely signing up new SERA Associate Members.

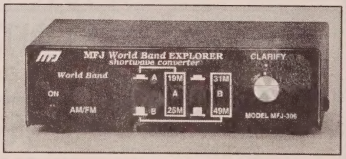
In addition, clubs can earn an additional $1.00 for each new SERA member they sign up. Sign up 100 new members, earn $100.00, and be eligible for the $500.00 prize to be given away Labor Day weekend at the Shelby Hamfest.

If your club wishes to participate, write to the Repeater Journal Editor for official rules, and the official sign-up check off sheet. Send SASE for copies. Only the official check-off sheets will be accepted for the prize drawing.

There will be equal chance for all clubs who participate, whether they sign up 500 new members, or sign up just 50, their name goes in the barrel for the $500.00 drawing.

The odds are now, and will be great for the grand prize, PLUS earn extra $$$ for signing up SERA members. Write today for your sign-up sheets. The editor's name and address is on page 2 of this issue of the Journal.

MFJ-306 World Band Mobile Shortwave converter



MFJ-306 World Band Explorer

MFJ Enterprises announces a new product. The MFJ-306 World Band Explorer Mobile Shortwave converter. The new World Band Explorer will convert your AM car radio into a World Band Shortwave receiver at the push of a button.

The MFJ-306 will monitor the entire 19, 25, 31 and 49 Meter international shortwave broadcast bands.

The unit is easy to install. Unplug car radio antenna, and plug it into the MFJ-306 -- insert the MFJ-306 cable into the radio antenna jack and connect to 12 VDC. The World Band Explorer measures 5 x 1-1/2 x 3-1/2 inches. Fits standard Motorola antenna plug and jack.

For more information about the MFJ-360, contact your local dealer, or write MFJ Enterprises, Inc. P.O. Box 494, Mississippi State, MS 39762, or call (601) 323-5869 -- Fax (601) 323-6551. To order toll free call (800) 647-1800.

The Shelby Hamfest

SATURDAY AND SUNDAY

September 2nd and September 3rd

To Be Held At The Cleveland County Fairgrounds

SHELBY, NORTH CAROLINA

"The Granddaddy of them all" -- In our 39th Year -- ARRL Sanctioned

ACRES OF FLEA MARKET -- INDOOR DEALER BUILDINGS
CAMPING -- FOOD -- FORUMS -- PRIZES

Proudly Sponsored by the Shelby Amateur Radio Club!

General Hamfest Info
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Shelby, NC 28150
Phone: (704) 482-4507

General Hamfest Info
Ace Lovelace, WD4NHM
719 Washburn Switch Rd.
Shelby, NC 28150
Phone: (704) 434-2140

DEALER CHAIRMAN
Barbara Elliott, N4MRZ
P.O. Box 191
Fallston, NC 28042
Phone: (704) 538-7919

VOLUNTEER EXAMS BY WCARS/VEC

Saturday, Sept. 2nd and Sunday Sept. 3rd, at 2:00 p.m. at The CLEVELAND COUNTY OFFICE BUILDING, adjacent to the Hamfest grounds. NO PRE-REGISTRATIONS -- **WALK-INS ONLY.**

FOR MORE INFORMATION CONTACT

Norman Harrill, N4NH, No. 7 Skylyn Court, Asheville, N.C. 28806

Applicants must bring original and photocopy of present license, any certificates and picture I.D. to the examination session. Make Checks Payable to WCARS/VEC for $5.90.

1995 SHELBY HAMFEST PRE-REGISTRATION FORM

RJ-5-95

I would like to Pre-Register for
The 1995 SHELBY HAMFEST!

Enclosed is my check for: _____ Hamfest Tickets at $4.00 each. Total:_____
Children under 12 years-old FREE!

Mail Completed Pre-Registration form with your check. Include SASE for return of your tickets.
Pre-Registration Ticket Stubs will already be in the Barrel.

Call_____Name_____

Address_____

City_____State_____Zip_____

Phone: [ ] _____

Mail Completed Pre-Registration form with your Check. Please include S.A.S.E. for Return of tickets

MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206

Pre-Registration Tickets Will Already Be In The Barrel.
Note: No member of the Shelby Amateur Radio Club or immediate family is eligible to win any awards.

Red Cross Emergency Drill Held in WV

-by Ken Harris, WA8LLM

March was National American Red Cross month, and to tell the public about it the West Virginia Chapter of the American Red Cross staged a statwide disaster drill on Saturday, March 11.

The scenario for the drill was that of a flood situation.

And the Red Cross decided to let amateur radio demonstrate its capabilities. All communications were handled by radio. There was no radio, no telephones, no FAX and no smoke signals.

Several Red Cross chapters around the state set up mock shelters in public locations, such as at a mall, to permit the public to observe procedures that occur when disaster strikes.

The Mid-Ohio Valley chapter in Parkersburg set up their operation at the Grand Central Mall in Vienna, West Virginia.

The demonstration ran from 11:00 a.m. till 7:00 p.m.

Cots were set up to let visitors see what a real shelter would look like. Desks were set up also where all the paperwork was performed. Visitors then were given a tour of the different departments, filled out all the necessary paperwork, then ate a free meal served out of the Red Cross ERV (Emergency Response Vehicle) to demonstrate "mass care feeding."

Members of the Wood County RACES and Parkersburg Amateur Radio Klub (with a K, for PARK) provided the communications. For some members the drill was a first and some collateral on-site training was given. A radio operator was also in the field with the Red Cross Disaster Assessment Team surveying mock damage.

There were operators at the local Red Cross office and at the Wood County Emergency Operations Center. Local traffic was routed through the 147.255 Mhz RACES voice repeater while most of the statewide traffic was routed via packet radio (through the DAREN -- Digital Amateur Radio Emergency Network -- system).

Some statewide voice traffic was also handled on 75-meters.

It was the first time DAREN was ever used in a statewide drill so we were looking for any problems in the system, and there were many.

Radio operators at the mall were: Curt, K8UC; Phil, KB8GBE; Bob, KB8RNE; Lisa, KB8UER; Bill, N8JXO; Bill, N8KMN (photographer); Karen, K8KVU; Aaron, N8NVQ; Alan, N8POB; Ray, N8TWV; and Ken, WA8LLM. Operators at the EOC were: Duane, N8LDM (RACES officer); Judy, N8UFQ; and Leo, WA8BMZ.

Ken, KB8QPW, and Fred, N8LML, were located at the Red Cross office. Helping at other locations were: Kevin Harris, Susie Davidson, and Marrianne Blosser.

Special Events Station For "BOC Challenge"

The Charleston Amateur Radio Society will operate club station WA4USN on May 20 to commemorate the conclusion of the BOC Challenge 1994-95. The single-handed round the world yacht race will conclude in Charleston on that date.

The club will be on the air from 1200Z to 2300Z for stations wishing to work them, to receive a special commemorative QSL.

Operating frequencies for WA4USN will be 7.250, 14.045, 14.25, 21.045 and 21.250 MHz. Also the Novice CQ portion of the 40-Meter band. All frequencies are plus or minus 5 KHz of center.

For a commemorative QSL card, send your QSL and SASE to Sheila Frank, KC4UDD, 614 Longstreet Circle, Summerville, SC 29483.

THEY'RE NEW FROM ALINCO

Now the Excitement Really Begins!!!

THE DR-610T 2/70 DUAL-BANDER

The new Alinco DR-610T is Loaded! 50-Watts/35-Watts, 120 Memories in 5 storage banks, dual VFO each band, Channel Scope, Auto. Power Off, Transmit time-out Timer, tones, DSQ, freq. entry from microphone, multi-color control panel display, LITZ Emerg. Alert system, 1200/9600 Baud packet capable, AM aircraft RX standard, 3 power levels, Remote head, and much more. Avilable mid-May from Ray's

THE DX-70T HF 10M THRU 160M & 6M

Alinco's first entry into HF operation, the new DX-70 will work 10-meters thru 160-meters, and 6-meters. The receiver covers 150 KHz thru 30 MHz and 50-54 MHz. 100-watts on SSB, CW, FM, 40-watts AM. 6-Meters, 10-watts SSB, CW, FM. Has 100 tunable memory channels, semi & full CW break-in, noise blanker, wide & narrow 500 Hz CW filters included, subtones, dual VFOs and separate RIT and TXIT controls. The DX-70 has auto SSB mode select with override, noise blanker, selectable RF preamp and attenuator, subdial for bands, memories and tuning. Weighs only 6.2 lbs, world's smallest 100W HF - 2.25" H x 7" W x 9" D. Available in Mid-May from Ray's. Reserve yours now! We can accept your order right now -- Call Us!

Ray's Amateur Electronics
1701 N. MAIN STREET
HIGH POINT, NC 27262
RAY HUFF 9:30 - 6:30 M-F 9-2 Saturday *JUDI HUFF*

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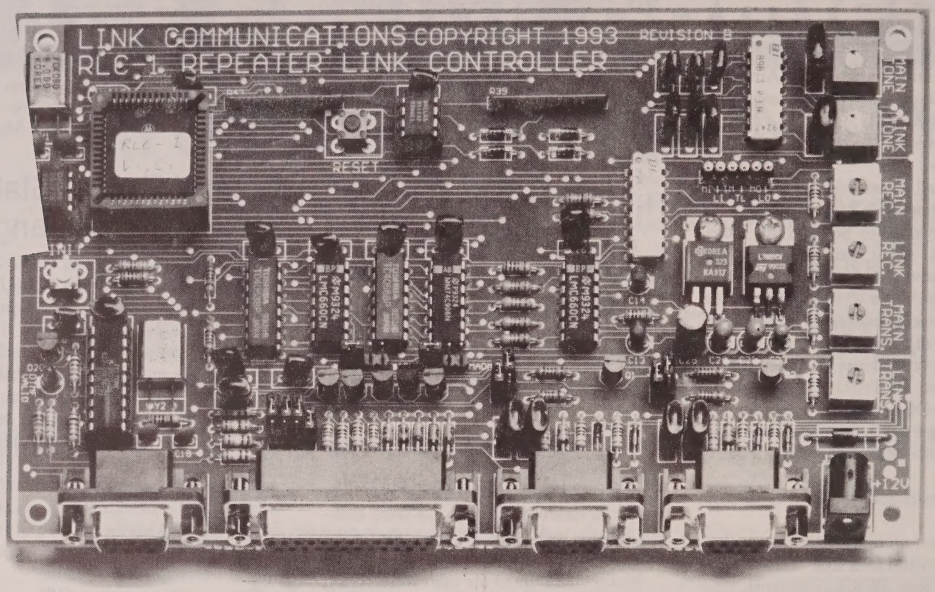
(Orders Only!)
(910) 883-6038
(Technical & Information)

? PORT REPEATER AND LINKING CONTROLLER



RLC-1 Repeater and Linking Controller

FEATURES:

- 2 Full Duplex radio ports
- Unique CW messages and ID's for each port
- DTMF control from each port
- 7 user command macros
- 4 analog inputs, 4 output control lines, 4 input lines
- 2400 baud RS-232 serial port
- 2 Layer high quality board construction

BENEFITS:

With DTMF and serial programming features, your controller is more secure from unwanted access. Use only 1 controller at your site to control up to 2 separate repeaters/ links with their own personalities and features intact. If your repeater group is on a tight budget but you want to run 2 repeaters or add a link or a remote base to your site, the RLC-1 can make these features available at a very low price.

ONLY $199.95

Link Communications Inc.
115 2nd Ave. N.E., Sidney, MT 59270
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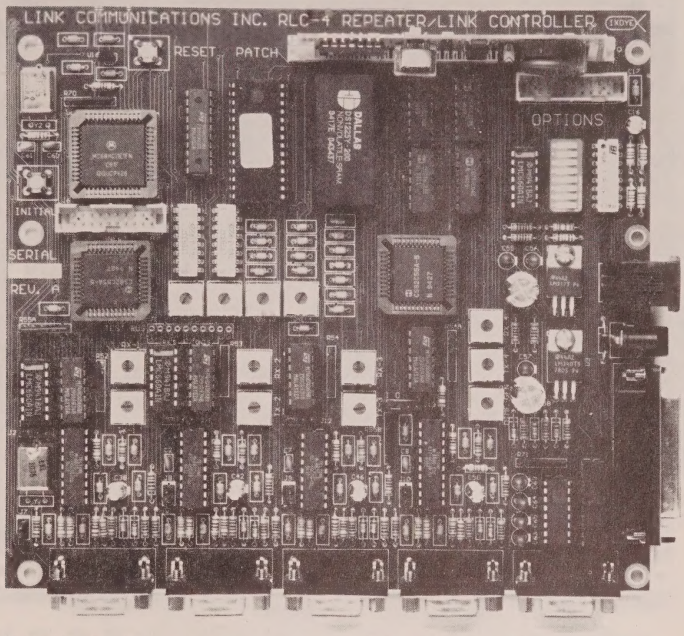

RLC-4 Repeater and Linking Controller

FEATURES:

- 4 Full Duplex radio ports
- Optional Autopatch available
- Unique CW messages and ID's for each port
- Separate DTMF control from each port
- 100 user command macros
- 300-9600 baud RS-232 serial port
- 4 Layer high quality board construction

BENEFITS:

With DTMF and serial programming features, your controller is more secure from unwanted access. Use only 1 controller at your site to control up to 4 separate repeaters/ links with their own personalities and features intact. Make emergency autopatch calls with the autopatch option. Only the RLC-4 can make these features available at such a low price.

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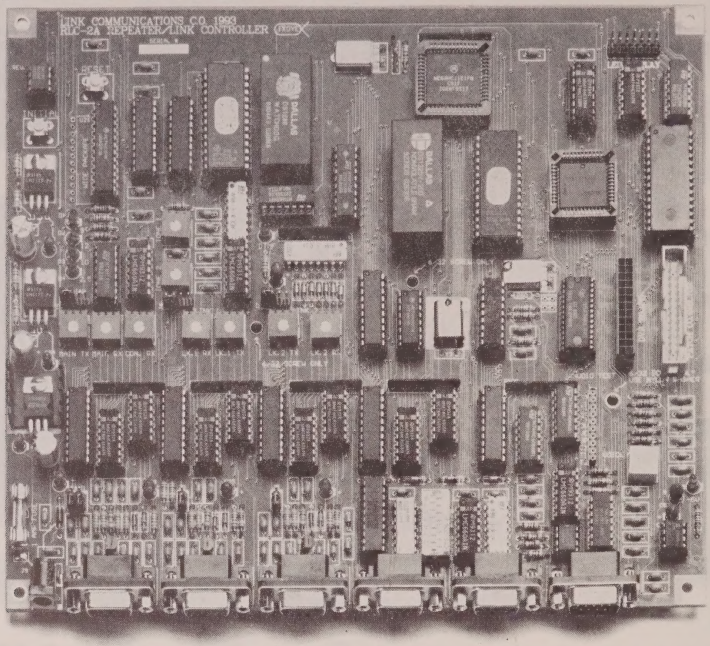
3 PORT REPEATER AND LINKING CONTROLLER



RLC-2 Repeater and Linking Controller

FEATURES:

- 3 Full Duplex radio ports
- 1 Control receiver port for control or as a 4th receiver
- 99 user programmable Voice and CW messages. Complete programmable courtesy beeps
- DTMF control from each port
- 30 user command macros
- 200 number autodial autopatch option with forward and reverse operation
- 4 analog inputs, 8 output control lines, 4 input lines
- 300 - 9600 baud RS-232 serial port
- 4 Layer high quality board construction

BENEFITS:

The RLC-2 gives the user DTMF and serial control, autopatch and Digital Voice Recorder support, along with 3 full duplex radio ports. Use only 1 RLC-2 controller at your site to control up to 3 separate repeaters/ links with their own personalities and features intact.

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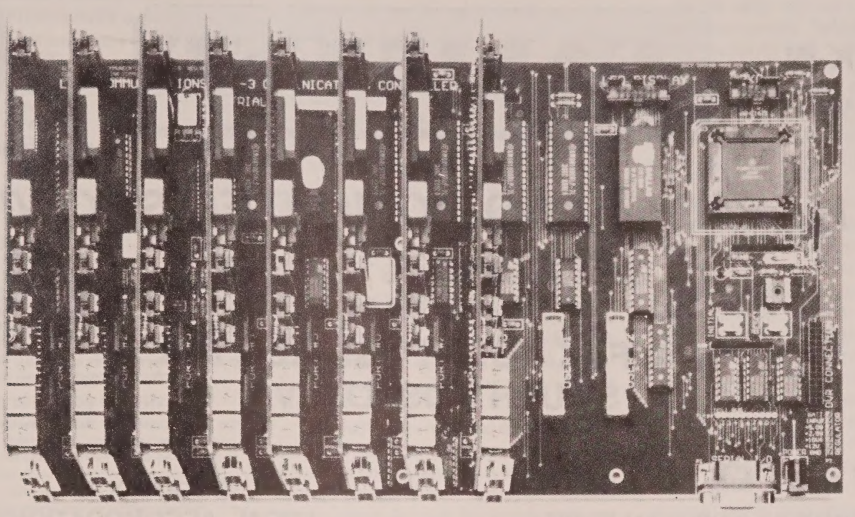

RLC-3 Repeater and Linking Controller

FEATURES:

- Supports up to 8 Full Duplex radio ports
- 800 user command macros
- DTMF receive and transmit from each port
- 1000 number autodial autopatch option with forward and reverse operation
- Supports up to 16 analog inputs, 16 output control lines, 16 input lines
- Separate 300 - 9600 baud serial ports on the main and each radio card
- 19" rack mount enclosure included
- 4 Layer high quality board construction

BENEFITS:

The RLC-3 offers the user what no other controller manufacture can. The power of 8 complete control systems in 1 compact package. Each radio card can DTMF control the RLC-3, at the same time, with simultaneous responses without any data lost. Only the RLC-3 can control and operate up to 8 repeaters and links using only 1 controller.

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WE ALSO HAVE A LARGE OUTDOOR TAILGATERS AREA.
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Bring all your treasures

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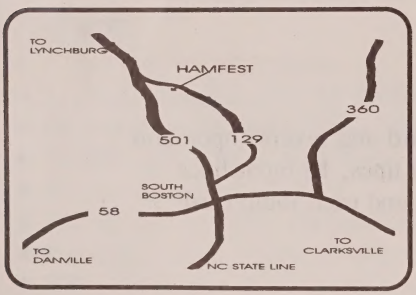

FCC EXAMS
pre-registration required, must have *new* Form 610, $5.90 and SASE
Exams start promptly at 9:30 AM
Contact Charles Lowery, AB4YR
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SO. Boston, VA 24592

PRE-REGISTRATION
$50.00 Pre-registration Prize

Call_____Name_____
Street_____
City_____State_____ Zip_____

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$5.00 at the door	
___ Indoor Fleamarket tables	$_____
8 Foot tables @ $12.00 each	$_____
6 Foot tables @ $10.00 each	$_____
5 Foot tables @ $8.00 each	$_____
___ Outside Tailgating @ $3.00 per vehicle	$_____
TOTAL ENCLOSED	$_____

Make checks payable to:
Piedmont Amateur Radio Club

2031 Robert Hester Rd.
Hurdle Mills, NC 27541

Send SASE

Pre-registrations without a SASE or received after Sept. 1 will be held at the gate

For information contact: Kathy Hendricks, AC4LB (910) 597-2959

SERA Repeater Journal Advertising Rate Card

Effective 1 January 1995

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Full Color Covers Bleed 8-1/2x11"	$400.00
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SPOT COLOR (each ad/page)	$50.00
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2nd Color usually bright Red with/black

AD INSERTION ORDERS

Due to a volunteer staff we cannot send out and receive advertising contracts and notices. Your invoice will contain information pertaining to future insertions. If we do not receive any instructions on your returned invoice copy, your ad will be repeated and invoiced the upcoming quarter. The ONLY exception is HAMFEST advertising. They must be ordered each edition for insertion.

NO ADVERTISING DISCOUNTS

Advertising invoices are due upon receipt. Unpaid invoices will require us to withhold any additional ads in until account is paid in full.

SPECIFICATIONS & GENERAL

Sizes listed Above are width by length in that order. Ads received that do not fit dimensions will be adjusted to the nearest ad size and be billed $8.00 production fee. The ad will be billed at the size rate it had to be adjusted to.

Prices quoted are for exact size, camera-ready positive photoprint, pasteup or Laser print ad copy.

Full color ads for covers require negatives, right-reading emulsion down, sized for full 8-1/2x11 crop. 150-Line screens preferred. Color Match Proof, Color Key or Pre-printed tearsheet should accompany negatives.

Camera work, design, typesetting, pasteup is available at a nominal charge.

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims.

When possible, advertisers requiring typesetting or composition by the Repeater Journal staff will receive a proof with time for telephone corrections. After deadline proof changes to an ad are not available due to staff and time limitations.

ADVERTISING DEADLINES

All advertising copy and insertion orders should be sent to the Repeater Journal Advertising Manager: **Sharon Ward, P.O. Box 215, Tobaccoville, N.C. 27050. (910) 983-0879**

Ad copy deadlines are the 1st of the month, prior to month of publication. New ad insertion order deadline is 10 days prior to copy deadline.

The Repeater Journal cannot guarantee publication of any advertising that arrives after deadline unless prior arrangements are made with the Repeater Jouurnal Editor or Sales Manager.

AD & COPY DEADLINE DATES

FEBRUARY ISSUE - January 1,
MAY ISSUE - April 1,
AUGUST ISSUE - July 1,
NOVEMBER ISSUE - October 1.

The Repeater Journal is published by and is the voice of SERA, INC.

The Language of Ham Radio

-by Ed Griffin, KC4DPK

Have you ever found yourself around a group of lawyers or a group of bridge players and not understood a word they were saying to each other? It is interesting to observe how every profession develops its own unique language. If you are into car racing you discuss stroke, dwell, venturi's and differentials. Machinists speak of collets, end mills and tapping. Those into computers talk in megabytes, hard drives and floppy disks.

It's also interesting to note that many words have totally different meanings as you cross industries and hobbies. A cheater in the auto shop might help you get a tight bolt to turn, but in poker one would never be welcome. A foul in basketball costs you a turn, but in baseball, it gives you another try.

The more you speak and understand the language of your hobbies and occupations, the more accepted you become in that community. There is a lot of tradition handed down through the written and spoken internal languages of specialized groups. The languages can become almost sacred to the members because it identifies those who are on "the inside". Those who speak the language properly identify themselves as being knowledgeable and proficient.

Ham Radio has its own language, its own acronyms and its own secret codes. It has not only a spoken language, but a subset of that language that is expressed in dots and dashes. We have nearly a century of proud history and evolution. We have pioneered radio communications and have been trusted to wisely use portions of the radio spectrum because by providing public service in times of need, we are more than just a hobby. When given this kind of responsibility, most take it pretty seriously and do whatever we can to preserve our privileges and our public image.

In the late 5O's, the 11 meter Ham band was re-allocated to the Citizens Radio Service. It was intended to provide short range communication for those who could not afford commercial two-way radios. It was meant for personal communication between families and friends. Up thru the mid 6O's CB was pretty much used for what it was intended. There were no exams, very little control and since it had no traditions, those who would exploit the public seized the opportunity and turned CB into a sewer of illegal activities. As more and more equipment became available and more and more citizens became aware of the "fun" of CB, it became a hobby instead of a service and the FCC lost control. Anarchy has reigned since the early 7O's and CB is virtually unusable for its legal intent.

In the early days of CB the language used was normal, "telephone like", conservation along with a 1O-Code adopted from law enforcement. As the 7O's progressed, and the IQ's of the operators also approached the 7O's, CB developed its own language. Some of this language is particularly irritating to Hams because it was borrowed from us.

CB has lost its glamour to many who were caught up in the early craze. Many who enjoy communicating and now find CB frustrating and useless are "going ham". They are studying, getting licensed and are joining the Ham fraternity. Most of us welcome converted CB'ers to our hobby and applaud their efforts to become licensed and to share our privileges (and responsibilities!). Because of the stigma of CB, we also urge everyone coming from the CB ranks to deprogram themselves of the language of CB and adopt the Language of Ham Radio. Those newcomers can't realize how irritating it is to hams who have earned their privileges to hear that CB trash spoken on the Ham bands. Continued use of CB jargon either indicates that the traditions of Ham Radio are being torn down intentionally or those speaking in CB do not care enough about

their privileges to become an insider in the Ham fraternity. They would not be welcome very long among hunters if they didn't learn the language of hunting. They wouldn't be of much use working in a computer store if they didn't speak in bits and bytes. So it is with Ham Radio!

PLEASE, help us continue the traditions that make our hobby so great by speaking the language that has evolved over a century of pioneering and public service. If you have joined the ranks of Amateur Radio from CB, make a conscious effort to be "standing by" instead of "we're on the side". Please tell the person you are talking to that they are "full-quieting" not "coming in wall to wall". Be aware that your antenna may be horizontally polarized, but it is not "on the flat side". Understand that you have a name or a handle (and your handle IS your name!), not a "personal".

Above all, someone whose name you do not know can be an Old Man or Young Lady, but never a "good buddy". Please try to limit the word "kinda" to no more than once in a QSO.

And for Gosh Sake, if you're talking to me, don't end your conversation by wishing me "semody-thirds" !!!!!

IN THE REPEATER JOURNAL!!!
4,102 Repeater Listings, 184 Hamfests, 200 VE Exams, 150 Nets, hundreds of names, lots of stories, & much more **every** quarter.

Virginia Beach Hamfest

Sept 23 & 24, 1995

Virginia Beach Pavilion, Virginia Beach, Va.

ARRL Virginia State Convention

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Manny Steiner K4DOR
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Virginia Beach, Va. 23452
(804) HAM-FEST

Tickets for the show are $6.00.
A prize will be give for advance ticket holders.

AMATEUR RADIO EXAMS & UPGRADES

Sunday Morning, Sept. 24th - Radisson Hotel
CW - 0830 - 0930 Written - 0930 til Noon
No Charge For Novice Exam - All Others $5.90
All levels of exams will be offered. If licensed, you must bring your Original License, plus any Original CSCE's, and photocopies of each. Two positive forms of identification are required, one must have a photo.
SPARK VE Team will again be conducting the exams and upgrades this year. Walk-ins Only - For Info Call Ed at (804)898-8031

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Journal News Briefs

FCC Allocates 219-220 Mhz

In March, the FCC allocated the 219-220 MHz band to the Amateur service on a secondary basis for point-to-point fixed digital message forwarding systems. 100 KHz channels with a power limit of 50-watts will be the order when the band is released to the Amateur public. Technician and higher class licensees will be able to operate digital on the new band. Date of the new assignment is still to be announced. *(W5YI)*

Accepting Club Call Sign Requests

The FCC began accepting applications for new club and military recreation station licenses. Call signs will be issued by the Commission from the Group D call sign block, based on the applicant's call district. Special FCC Form 610-B must be used to apply. The forms are available from ARRL/VEC for an SASE. *(ARRL)*

New FCC Form Available

The FCC form necessary for applying for an Amateur Radio vanity call sign -- Form 610Vwas scheduled to be available on May 1. It may be requested by calling the FCC Forms Distribution Center at (800) 418-3636. The form may also be obtained with an SASE to ARRL. Write Form 610-V Request on outer envelope. *(ARRL)*

ARRL Seeks Change In Vanity Call Plan

The ARRL has petitioned the FCC for partial consideration in the proposed vanity call sign program. They want the FCC to require Amateurs requesting vanity call signs in eligibility "gates" other than Gate One specify call sign choices in the call sign region of their then-current mailing address. (i.e. residences of the 4th call district, only request 4th district call signs) *(ARRL Letter).*

More Tech Plus Licensees

The No-code Technician license is responsibile for the tremendous growth in Amateur radio. Statistics show that they are upgrading in record numbers. As of February 1, there were 129,078 No Code Technicians and 136,492 Technician Plus licenses. There has been an overall 9% increase in ham operators with code knowledge compared to prior to no-code. There is also an 8.6% increase in Advanced Class licenses, and a 28.1% increase in Extra class. It seems many are upgrading toward the top. *(W5YI)*

Eliminate One-Way Bulletin Transmissions?

The W5YI Group with Fred Maia, has filed a petition with the FCC, asking that they amend Part 97 to elimninate the provisions which permit Amateur Radio Service stations to transmit one-way information bulletins and Morse code practice below 30 MHz. According to Maia they have outlived their usefulness.

Mr. Maia is concerned about one-way communications on two levels: (1) . . . is personally distressed at the level of anger that now exists on the bands below 30 MHz. The anger is primarily caused when one-way broadcast-type transmissions interrupt two-way communications that are already in progress. (2) . . . Concerned about the impact that this anger and the resulting malicous interference has on relative new amateurs. *(Excerpted from W5YI Report)*

From the *ARRL Letter* - (headline) W5YI petition would silence W1AW. A petition for rule making filed with the FCC would eliminate all one-way transmissions such as code practice and information bulletins on the amateur bands below 30 MHz, including those from W1AW. According to Executive VP David Sumner, licensed amateurs are calling HQ and Board members, wanting to know what they can do to defeat this petition.

Until the FCC asigns a file number there is no file for the collection of comments. If a FM number is assigned, there will be a period of 30 days for public comment. It is also possible that the FCC will dismiss the petition without comment. *(Excerps - ARRL-Letter)*

Editor:s note: It is obvious the ARRL is disturbed by this petition. Amateurs interested, should pay attention to news nets, and if the peition does get a RM number, file their comments.

QRZ DX has new Editor & Publisher in North Carolina

Miriam, KB4C and Carl, N4AA Smith

"QRZ DX" a weekly DX News bulletin published in Richardson, TX by Bob Winn, W4KNE, for the past 12 years has been purchased by Carl and Miriam Smith, N4AA and KB4C.

The husband and wife team will edit and publish the bulletin from their home in Asheville, NC. Carl is editor and Miriam does the layout and production.

QRZ DX is published 50 times a year and offers the latest information about DXpeditions, IOTA, "heard and worked," propogation forecasts, QSL info and any other news pertaining to the world of DX.

If you are a serious DXer, a "big gun" or a "little pistol," you will find much good information in the 4 page newsletter. You may write for more information and subscription rates to: **QRZ DX**, P.O. Box 16522, Asheville, NC 28816. Contact by Internet at RDWU57A@Prodigy.com.

Welcome New Readers

If this is your first issue of the Repeater Journal, we welcome you. We hope you have found something of interest in our magazine. If you purchased the ***Repeater Journal*** at a newstand, we invite you to join us as an Associate Member. Save 34% off the cover price by joining. See the Associate member application this issue.

SERA Financial Report

By Ray Adams

N4BAQ, TREASURER, SOUTHEASTERN REPEATER ASSN., INC.

FINANCIAL REPORT FROM JANUARY 1 TO MARCH 31, 1994 TO 1995

	$8/$20 1994	$8/$20 1995
REVENUES		
Advertising	$ 4,216.00	$ 1,136.00
News stand sales	74.00	- 0 -
Members' dues	7,763.50	7,038.45
Interest	83.63	- 0 -
	$12,137.13	$ 8,174.45
EXPENSES		
Repeater Journal production	$ 6,229.73	$ 6,602.74
Repeater Journal distribution	1,275.46	1,266.37
Payroll and payroll taxes	- 0 -	148.70
Travel and meetings	902.51	1,397.10
Office expense	375.80	348.74
Postage - other than journal	712.34	308.50
Printing - other than journal	51.53	35.59
Telephone	134.91	534.42
Miscellaneous	- 0 -	15.00
	$ 9,682.28	$10,657.16
REVENUE OVER (*UNDER) EXPENSES	$ 2,454.85	$ 2,482.71*
Balances, beginning of year:		
Expenses advanced	$ 900.00	$ 900.00
Carrying value of office equipment	2,948.64	9,194.05
Cash in bank	21,385.42	26,909.92
	$25,234.06	$37,003.97
Less dues collected, not earned	21,463.50@	24,110.00
	$ 3,770.56	$12,893.97
EQUITY TO ACCOUNT FOR	$ 6,225.41	$10,411.26
Less: Expenses advanced	$ 900.00	$ 900.00
Carrying value of office equipment	4,716.64	11,539.43
	$ 5,616.64	$12,439.43
Less dues collected, not earned	20,799.50	24,871.50
	$15,182.86*	$12,432.07*
CASH IN BANK	$21,408.27	$22,843.33

* = Negative amount

@ = Extraordinary charge on January 1, 1994 to convert accounting for members dues fro cash to accrual basis. Because of this change, prior periods are not comparable

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- **Expanded Indoor Flea Market Area**
- **Expanded Outdoor Tailgating Area**
- **Free Parking**
- **Fantastic PRIZES**
- **Dealer RV Parking and Hookup**
- **VE EXAMS**
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- **Friday Night Setup with overnight Security**

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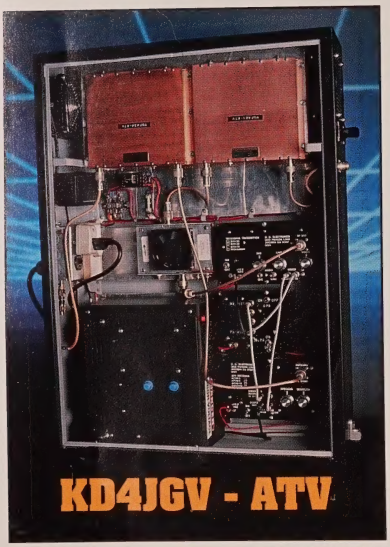

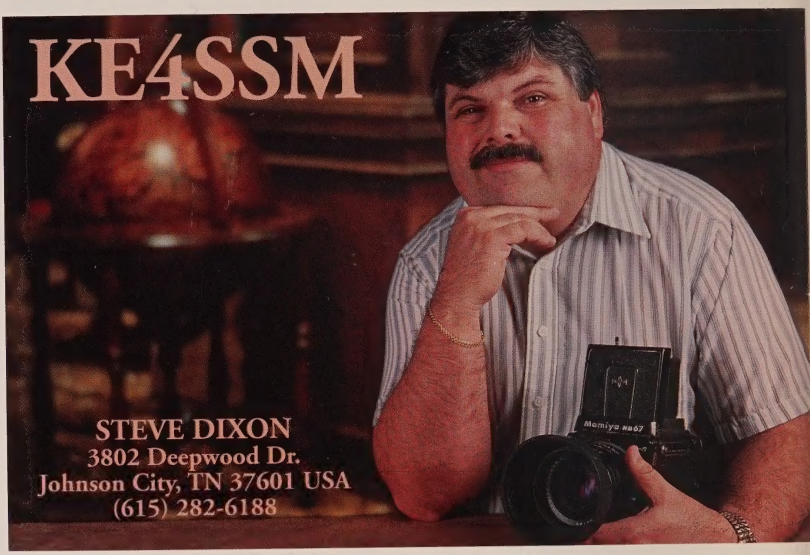

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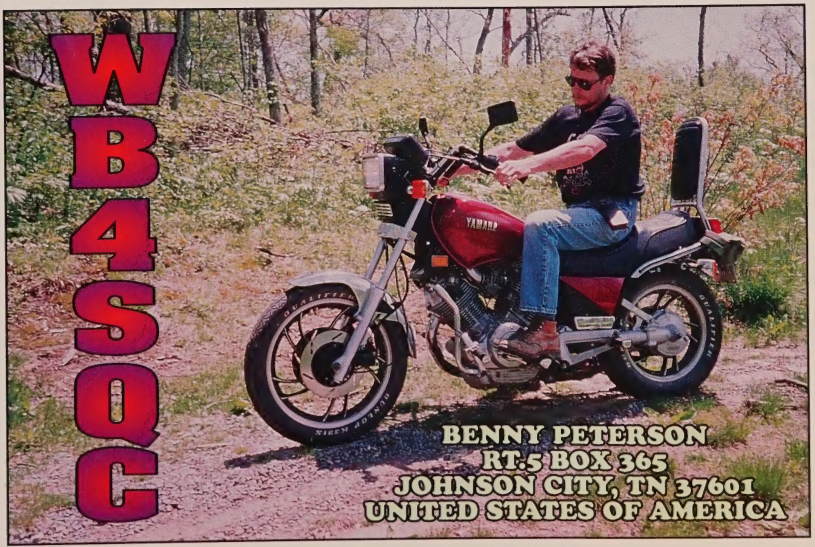

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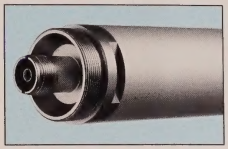
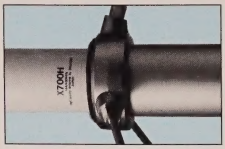
ACCLAIMED AS THE TECHNOLOGICAL LEADER IN SINGLE & MULTIBAND ANTENNAS
●WIDE-BAND PERFORMANCE ●FACTORY ADJUSTED/NO TUNING REQUIRED
●HIGHEST GAIN ●UPS SHIPPABLE ●HIGH WIND RATING ●FIBERGLASS RADOME
●DC GROUNDED ●STAINLESS HARDWARE

X-500HNA

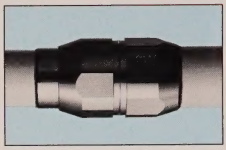
RUGGEDIZED BASE/ REPEATER ANTENNA



COAX CONNECTION AT BASE END



HEAVY DUTY BASE/ RADIAL ASSEMBLY



STRONG JOINT COUPLINGS

X series

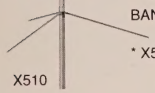
MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CONN.	HT. Ft.	RATED WIND/ MPH
X-50A	144/440	4.5/7.2	200	UHF	5.6	135
X-200A	144/440	6.0/8.0	200	UHF	8.3	112
X-300A	144/440	6.5/9.0	200	UHF	10.2	112
X-510NA	144/440	8.3/11.7	200	N	17.2	90
X-510MA	144/440	8.3/11.7	200	UHF	17.0	90
X-500HNA	144/440	8.3/11.7	200	N	17.8	90+
X-700HA	144/440	9.3/13.0	200	UHF	24.0	90
X-2200A	144/222	6.0/7.8	150	UHF	11.5	112
X-3200A	144/222/440	6.0/7.8/8:0	100/200	N	10.5	112
X-6000A	144/440/1240	6.5/9.0/10.0	100/100/60	N	10.5	112

147MHz

445MHz

RADIATION PATTERNS FOR X-500HNA/X-500MA/X-510NA

BAND: 144=144 - 148MHz. 222=222 - 225MHz. 420=420 - 430MHz.
430=430 - 440MHz. 440=440 - 450MHz. 1240=1240 - 1300MHz.
* X510NJ :144 - 147 / 430 -440MHz



X510

GH/F/U&V series

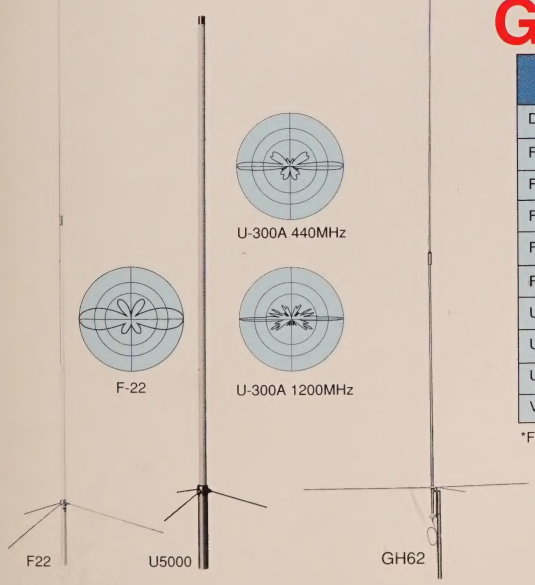
MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CON N.	HT. Ft.	RATED WIND/ MPH
DP-GH62	50	6.0	200	UHF	21.0	78
F-22A	144	6.7	200	UHF	10.5	112
F-23A	144	7.8	200	UHF	15.0	90
F-142A	222	5.5	200	UHF	6.0	110
F-718A*	440	11.5	250	N	15.0	110
F-1230A	1240	13.5	100	N	10.5	90
U-200A	440/1240	8.3/11.7	100	N	5.9	135
U-300A	440/1240	8.6/13.2	100	N	8.3	110
U-5000A	144/440/1240	4.5/8.3/11.7	100	N	5.9	135
V-2000A	50/144/440	2.1/6.2/8.4	150	UHF	8.3	110

*F-718A:440 - 450MHz, F-718J:430 - 440MHz, F-718L:420 - 430MHz

U-300A 440MHz

F-22

U-300A 1200MHz



F22 U5000 GH62

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